



"Ah! God has given some men brains,
and others have x x x a certain skill
in the lower brasts."

(Blackmore in Lorna Doone.)

Edgar A. Mearns

W. H. Clark, Texas.

June 14, 1898.

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The word Biota = Fauna and Flora.

It was proposed by Dr. L. Stejneger
in a review of Scharff's Origin of
the European Fauna, in American
Naturalist for February, 1901 (Vol.
XXX, No. 410, p. 89, Febr., 1901).

Biota = singular.

Biotæ = plural.

Birotić = adjective

Appendix

June 16, 1896. — Slept till 10 a.m. when
I awoke. We had crossed the confine
of Louisiana and were in a region of
swamp, with forest swamps
and timber strips. The cypress (first seen
in the Subanal, in Texas) was of frequent
occurrence. Oak, Gum, Palmetto, and
numerous forest trees were abundant. The
passion flower, trumpet flower, and water
hyacinth were conspicuous flowers.

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 assumed charge...
 June 20, 1898. - Day...
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June 21, 1898. - In camp at Chickamauga Park, Georgia.

The following named mammals were seen:
Bats. - Red and Big Brown, and a small species.
Sciurops volans. - They live in the old farmhouse where we had our brigade headquarters.
Sciurus carolinensis was abundant.

June 24 - July 3, 1898. - In camp at Chickamauga Park, Georgia.

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Bats. - Red and Big Brown, and a small species.
Sciurops volans. - They live in the old farmhouse where we had our brigade headquarters.
Sciurus carolinensis was abundant.

June 24 - July 3, 1898. - In camp at Chickamauga Park, Georgia.

December 28, 1898. - Assigned to duty in Command of Reserve Hospital Corps and School of Instruction, Second Army Corps, at Camp Mackenzie, Augusta, Georgia.

The afternoon was spent across the Savannah River, in Aiken County, South Carolina, tramping over a sandy country covered by cotton fields, piney woods, and occasional swamps grown up with sweet gum and other deciduous trees, mixed with magnolias, and with canebrakes beneath.

Mammals: *Lepus sylvaticus*. - Common. - *Procyon lotor*. - A man was skinning a small, dark Raccoon, that came into his camp on the bank of the Savannah River and gnawed at bones until shot. He sells skins at 15¢ a piece, and says they are quite common.

L. sylvaticus virginianus. - Tracks seen. I saw no signs of *squirrels*.

Birds. - *Merula migratoria*. - Common. Singing in a magnolia swamp.

Harporhynchus rufus. - Two; one in a thicket between a wagonroad and cottonfield, the other in a canebrake.

Troglodytes hyemalis. - Two; one in a swamp and one on high ground.

Thryothorus benckii. - One in brushheap in a thicket of scrub-oak.

- Regulus satrapa*. - Abundant in the pines, summers, and in deciduous woods; in flocks.
- Spizella pusilla*. - Common in flocks, especially about brush heaps in long grass.
- Spizella*. - Species not identified.
- Peucaea aestivalis*. - In oak woods.
- Pooecetes gramineus*. - Abundant in fields and open piney woods.
- Melospiza fasciata*. - Abundant on high and low grounds.
- Cardinalis cardinalis*. - Common in the fields and edges of covey woods.
- Passer domesticus*. - About houses.
- Coccyzus alpestris praticola*? - Common.
- Tyrannocitta cristata*. - One heard.
- Tamias ludovicianus*. - Common.
- Sayornis phoebe*. - One near a house.
- Sturnella magna*. - Fields beside River.
- Salix sparverius*. - One seen.
- Cathartes aura*. - Common.
- Zenaidura macroura*. - Large flocks in cotton fields.
- Colinus virginianus*. - Flock.
- Colaptes auratus*. - Several in magnolia swamp.
- Junco hyemalis*. - Abundant.
- Tringa sialis*. - ^{Several} ~~Common~~; single.
- Zonotrichia albicollis*. - Abundant.
- Ampelis cedrorum*. - Flock.
- Parus carolinensis*. - Flocks.

Dec. 27-31, 1898. - Camp Mackenzies, Augusta, Georgia.

Mammals: -

- Didelphys virginianus*. - A young one, half grown, with upper surface of body, superficially black, was brought to camp by a boy, who wanted to sell the little beast for a pet. It was gentle, and would curl its tail about a finger and hang there without other support. Possum tracks are common hereabouts.
- Procyon lotor*. - Common along the River.
- Lepus sylvaticus*. - Abundant away from town; some in our camp.

Birds: -

- Harporhynchus rufus*. - A few in thickets.
- Thryomanes bewickii*. - A few in thickets and oak barrens.
- Regulus satrapa*. - Abundant.
- Tringa sialis*. - Common.
- Tamias ludovicianus*. - Several.
- Merula migratoria*. - Occasional flock.
- Cardinalis cardinalis*. - Common.
- Passer domesticus*. - About houses.
- Junco hyemalis*. - Abundant.
- Spizella pusilla*. - Abundant.
- Zonotrichia albicollis*. - Common.
- Melospiza fasciata*. - Common.
- Pooecetes gramineus*. - Abundant.
- Coccyzus alpestris praticola*. - Abundant.
- Tyrannocitta cristata*. - Several.

Sayornis phoebe. Two in a wood.
Sturnella magna. Flocks in fields.
Colaptes auratus. A few seen and heard.
Zenaidura macroura. Flocks; common.
Agelaius phoeniceus virginianus. One flock.
Falco sparverius. Several.
~~Ceryle alcyon~~ *Cathartes aura*. Common.

Augusta, Ga., Jan. 1, 1899.

Hunted further. Birds seen:—

- 1 *Melanerpes erythrocephalus*.—Numerous ^{in oak woods}.
- 2 *Melanerpes carolinus*.—Several in pines.
- 3 *Colaptes auratus*.—A few.
- 4 *Zenaidura carolina*.—A few.
- 5 *Colinus virginianus*.—One flock.
- 6 *Ampelis cedrorum*. Flock.
- 7 *Lanius ludovicianus*.—Rather common.
- 8 Two were fighting desperately in a thicket.
- 9 *Parus carolinensis*.—Common.
- 10 *Parus bicolor*.—Common.
- 11 *Thryothorus bewickii*.—One.
- 12 *Anorthura hyemalis*.—One at dam beside lake.
- 13 *Thryothorus ludovicianus*.—Common.
- 14 *Certhia familiaris*.—One in pines.
- 15 *Regulus satrapa*.—Very common.
- 16 *Sayornis phoebe*.—Several.
- 17 *Cathartes aura*.—Several seen; common.
- 18 *Cyanocitta cristata*.—A few.
- 19 *Sturnella magna*.—Common.
- 20 *Phibolus minor*.—One seen among the

- canes beside a petty stream. Flushed twice, and probably shot, but could not be found.
- 20 *Falco sparverius*.—The only Hawk seen.
 - 21 *Colinus virginianus*.—Many about camp.
 - 22 *Otocoris alpestris praticola*.—Flocks about camp.
 - 23 *Melospiza fasciata*.—Common.
 - 24 *Spizella*.—Flocks; abundant.
 - 25 *Geothlypis trichas*.—Abundant.
 - 26 *Zonotrichia albicollis*.—Abundant, especially in magnolia and cane swamps.
 - 27 *Junco hyemalis*.—Abundant.
 - 28 *Passer domesticus*.—Houses and streets.
 - 29 *Cardinalis cardinalis*.—Common.
 - 30 *Pipilo erythrophthalmus*.—Common.
 - 31 *Harporhynchus rufus*.—One pair in swamp.
 - 32 *Sialia sialis*.—Several seen and heard.
 - 33 *Merula migratoria*.—Common.
- A small warbler was also seen in pine woods.
- 34 *Hylocichla ustulata schachae pallasi*.—Common.

Augusta, Ga., January 5, 1899.

Rode five hours looking about the country. Saw most of the birds hitherto seen by me hereabouts, and the following besides:—

Myiarchus cinerascens.—An old male, with bright red throat and crown attracted attention by a loud whining cry not unlike the catbird's. It was clinging to the

trunk of a dogwood-tree (*Cornus florida*). It flew out to the extremity of a branch and picked a red berry and returned to the tree trunk, soon repeating the operation until it secured the berry. (1 dozen berries were thus eaten while I watched from a distance no greater than 20 feet.)

Ammodramus savaana. - A number seen.

Dendroica coronata. - In pine forest.

Corvus americanus. - Many seen in fields.

One Mockingbird was hiding under a ledge by the roadside.

A woodcock was flushed from a creek.

A boy told me he saw a *Pileated Woodpecker* a few moments before I met him. Several men said they were not sure.

Quail were calling in several fields, and one in a dark pine forest beside a lake.

Beside the lake I saw runways of some rodent - perhaps *Dipodomys* - and picked up a skull of *Lepus sylvaticus*. Several of the latter were seen in the hands of hunters.

A boy told me that Gray, Black, and Cat Squirrels are found in the woods. Woodcock are said to be common now.

Dendroica pinus. - Common in flocks; in pines and on the ground.

Augusta, Ga. January 8, 1899. 11

Hunted four hours.

Lepus sylvaticus. - One seen.

Colinus virginianus. - One flock.

Scalops. - Moles' signs common.

Dryobates villosus. - One or two seen.

Spizella socialis. - One shot, but lodged in hollow limb at side of tree; it was dead.

Passerella iliaca. - One seen.

Falco sparverius. - One seen.

Otus wilsonianus? - One short-eared Owl shot by a hunter, who took it to Augusta. He said he had seen 50 of them at one time, in a field.

Sayornis phoebe. - Common.

Many other birds seen.

Augusta, Ga. January 15, 1899.

Rode four hours. Saw three birds never collected on me: -

Thryothorus bewickii. - Several seen; it utters a cat-like note.

Sitta pusilla. - Several seen in a flock of *Dendroica pinus* and other birds, in a grove of pine-trees.

Dryobates scalaris. - One pair.

Many other birds were seen. Flickers, Crows, Bluebirds, Crested Titmice, Carolina Chickadees, Brown Creepers, and Golden-crowned Kinglets were abundant. One Downy Woodpecker seen.

Augusta, Ga. January 22, 1899.

Rode four hours. Field Sparrows, Fox Sparrows, Song Sparrows, White-throated Sparrows and Chewinks were very abundant.

Juncos were very numerous.

Tryobates villosus. - About ten seen.

Tryobates pubescens. - One seen.

Sialia sialis. - A large number seen.

Dendroica virens. - Large flock feeding on the ground, and many in the pine-trees. Set 25 traps for small mammals.

Lanius borealis. - One was circling about over a brook, and appeared to be feeding. This is the first Bat seen here.

Scalops aquaticus Lin. - Turned numerous.

Didelphis virginiana ^{Kerr} _{var.} - Common. One was found curled up in the top of a sapling. It was shaken down and caught when it pretended to be dead. It was given to the cook for a pet.

"Special Orders, no. 265, Headquarters of the Army, Adjutant General's Office, Washington, November 10, 1900. Extract 17. By direction of the Acting Secretary of War, leave of absence for six months on surgeon's certificate of disability is granted Captain Edgar A. Mearns, assistant surgeon, U. S. Army. By command of Lieutenant General Miles: H. C. Corbin, Adjutant General."

My leave began Nov. 16, 1900.
Two copies of order should accompany my first pay accounts.

High Altitudes

Mexican Boundary Region.

| | meters. | feet. |
|-----------------------------|---------|-------|
| Hachita Peak | 2545 | 8350 |
| San Louis Mountains | 2400 | 7874 |
| San José Mountain | 2541 | 8337 |
| Huachuca Mountains | 2887 | 9472 |
| Patagonia Mountains | 2217 | 7274 |
| Town of Santa Cruz, Sonora. | 1355 | 4446 |

U. S. Army Regulations, Par. 997, p. 139, 1895.

"997. An officer on sick leave is entitled to public quarters at his station during the period of sick leave, not exceeding six months, provided he or his family occupy them. He may hold hired quarters only while he is personally an occupant."

Major Willis Wittich ordered to report to C. O., Ft. Adams, R. I. per par. 20, S. O. #195, Headquarters of Army, A. G. O., dated Aug. 20, 1900.

14 (Bird record, continued from page 130, this volume.)

Brenton's Point, R.I. Sept. 17, 1900.

11940. *Arenaria interpres* ♀ ad. 243; 486; 151; 69; cul., 23; tarsus, 28; mte., 25.5 mm.
11941. *Creunetes pusillus* ♂ ad. 161; 309; 98; 46; culmen, 19; tarsus, 21; middle toe and claw, 19 mm. Breast, buffy.
11942. *Creunetes pusillus* - ad. 162; 310; 99; 46; cul., 19; tarsus, 22; middle toe with claw, 19 mm. In formalin.
11943. *Creunetes pusillus* - ad. Preserved in formalin.
11944. *Calidris arenaria* ♀ ad. 210; 408; 129; 61; culmen, 28.3; tarsus, 26.5; middle toe with claw, 19 mm.
11945. *Calidris arenaria* ♀ ad. 209; 410; 130; 57; culmen, 25; tarsus, 26; middle toe with claw, 18.5 mm.
11946. *Calidris arenaria* ♂ ad. 209; 393; 125; 61; culmen, 25.4; tarsus, 27.5; middle toe with claw, 19 mm.

Fort Adams, Newport, R.I. Sept. 25, 1900.

Arenaria interpres. - Nine were seen in two flocks, at Brenton's Point.

Actitis macularia. - Two or three were seen near Black House. They were moving about in such a way that I could not be certain of the number.

Gallinago delicata. - One was flushed from a heap of seaweed on bare rocks at the edge of the sea - an unusual place for it.

Sterna hirundo. - About 15 were seen.

Yesterday there were several hundred.

Larus argentatus. - About 200 seen, mostly old.

Oidemia perspicillata. - Flock of five.

Harporhynchus rufus. - About ten seen.

Galeoscoptes carolinensis. - About 20 seen. One uttered a loud clicking sound.

Regulus satrapa. - Two, the first this fall, seen. 15

Pitta canadensis. - One, the first this fall.

Parus atricapillus. - Two on Mooreland Road.

Dendroica coronata. - About 10 in willows.

Dendroica striata. - About 20 in willow lane.

Dendroica palmarum hypochrysea. - Five seen.

? This little warbler with a green back, yellowish-white underparts with faint streaks on breast and a very conspicuous white ring around eye, was seen among some rosebushes and tall goldenrods beside a ditch.

Anthus pensilvanicus. - Two on rocky edge of Narragansett Bay, feeding on insects and small moths or butterflies which it caught ^{usually} from the ground sometimes jumping up for them.

Corvus americanus. - Heard flying over hospital.

Murela migratoria. - Abundant. Some were dusting and plucking themselves and sat on their tails (but under them) when doing so.

Melospiza fasciata. - About 25 seen; in flocks.

Spizella socialis. - Several small flocks in port garden.

Ammodramus sandwichensis savanna. - In port garden. About 10 seen.

Passer domesticus. - On rocks beside ocean.

Cotaptes curatus luteus. - Several seen.

Vireo gilvus. - Two in alders.

Ampelis cedrorum. - Several small flocks aggregating about 30.

Fort Adams, R.I. Sept. 26, 1900.

Sterna hirundo. - One seen.

Larus argentatus. - Five seen.

16 (Fort Adams - Sept. 26, 1900 - Concluded.)

Merula migratoria. - About 100 in willow lane.

Parus atricapillus. - Two in willow lane.

Dendroica striata. - About 20 in willow lane.

Its note is a sharp chirp.

Dendroica coronata. - One with Black-polls.

Dendroica palmarum hypochrysea. - One.

Sphyrapicus varius. - One in willow lane.

Tayornis phoebe. - do

Melospiza fasciata. - Several seen.

Ammodramus s. savanna. - Several.

Passer domesticus. - Abundant.

Galeoscoptes carolinensis. - About 10 in a grape thicket.

Harporhynchus rufus. - About 6 in a grape thicket.

Ampelis cedrorum. - One flock of about 30.

Fort Adams, R. I., Sept. 27, 1900.

Larus argentatus. - Ten seen.

Fort Adams, R. I., Sept. 29, 1900.

Sterna hirundo. - Several scattered + flock of 15.

Middleton, R. I., Sept. 30, 1900.

Mr. Philip Peckham, Jr., saw one *Bubo virginianus*.

Fort Adams, Newport, R. I., Oct. 3, 1900.

Circus hudsonius. - One.

Pandion haliaetus carolinensis. - One ^{redder legs and}

Arenaria interpres. - Six on Brenton's Point. One had a black neck and retained some reddish feathers on upper surface; another less black on throat; and the remaining

four light or grayish on throat + neck. Possibly these were 2 adults + 4 young or a family! 17

Actitis macularia. - One, where last seen.

Tringa aleyon. - One.

Larus argentatus. - About 300, mostly adults.

Merula migratoria. - Perhaps 100.

Colaptes auratus luteus. - One.

Sturnella magna. - Six; singing.

Ammodramus s. savanna. - About 200.

Melospiza georgiana. - One.

Melospiza fasciata. - Perhaps 50.

Corvus americanus. - About 10.

Terns seem to have departed; no warblers seen to-day. Capt. Gustave Soderman saw 20 Terns, Sept. 30 and the last two Oct. 2; none after. I saw 1 Sept. 30.

Fort Adams, R. I., Oct. 5, 1900.

Corvus americanus. - Ten.

Larus argentatus smithsonianus. - About 30; one shot.

Parus atricapillus. - About 10 seen.

Junco hyemalis. - One seen and perhaps others heard.

First seen this fall. The one seen was young.

Ampelis cedrorum. - Three young of the year.

Hylocichla aliciae. - Two seen.

Vireo olivaceus. - Two.

Dendroica coronata. - About 200.

Merula migratoria. - About 150.

Sturnella magna. - Twenty; singing.

Melospiza fasciata. - Twenty; singing.

Ammodramus s. savanna. - Ten seen.

Colaptes auratus luteus. - Four seen.

Galeoscoptes carolinensis. - Two.

11947. *Larus argentatus smithsonianus*. 1 juv.

(October 3, 1900 - Concluded.)

600; 1475; 440; 186; culmen from base (chord), 52; tarsus, 65; middle toe with claw, 65 mm. Iris, gray-brown. Bill, blue-black, horn color at base of mandible. Legs and feet, flesh color, faintly dusky on webs and brownish at joints; claws, plumbeous-black.

Fort Adams, Newport, R. I. Oct. 11, 1900.

11,948. *Merula migratoria*. Preserved in formalin. Killed by hawk.

11,949. *Melospiza georgiana* ♀ ad. Preserved in formalin.

11,950. *Dendroica striata* ♂ ad. 143; 228; 74; 53; cul., 10.7; tarsus, 19; middle toe and claw, 15 mm.

11,951. *Melospiza georgiana* ♀ ad. 149; 207; 64; 60; 12; 21; 20 mm.

11,952. *Melospiza fasciata* ♂ ad. 165; 225; 70; 71; 21; 20.7 mm. Preserved in formalin.

11,953. *Zonotrichia albicollis* - ad. Preserved in formalin. 177; 246; 76; 79; 13; 24.5; 22 mm.

Fort Adams, Newport Rhode Island, Nov. 15, 1900.

Sterna (paradisaea?). - Two Terns, the size of the arctic were flying about Brentons Cove.

Lake George, on Lake Worden, South Kingston, R. I. Nov. 23, 1900.

11,954. *Larus borealis* ♂ juv. Stomach filled with beetles. 253; 352; 113; 115; cul., 19; 27; 22 mm.

11,955. *Sialia sialis* ♀ ad. 173; 292; 97; 63;

culmen from true base, 12; tars., 19; m.t.c. 20.5 mm. 11,956. *Spizella monticola* ♂ ad. 163; 245; 80; 73; 10.5; 21.3; 20 mm.

11,957. *Dendroica coronata* ♂ ad. 145; 232; 75; 60; 10; 18; 16 mm.

South Kingston, R. I., Nov. 25, 1900.

11,958. *Cyanocitta cristata* ♂ ad. Trapped in "Chum" trap. 295; 420; 136; 138; 27; 35; 31 mm.

11,959. South Kingston, R. I., Nov. 27, 1900.

Spizella monticola ♀ ad. 154; 240; 76; 53; cul., 10.7; tarsus, 20; middle toe with claw, 19 mm.

11,960. *Dryobates pubescens medianus*. ♂ ad. 174; 310; 98; 67; 16.7; tars., 16; mte., 16 mm.

South Kingston, R. I. Nov. 28, 1900.

11,961. *Larus borealis* ♂ juv. 265; 363; 117; 118; 20; 26; 24 mm. Stomach packed with insects.

11,962. *Sialia sialis*. ♂ ad. 176; 308; 101; 70; 12.3; 20; 22.

11,963. *Sialia sialis*. ♂ ad. 178; 311; 103; 71; 13; 20.5; 22.5.

11,964. *Sialia sialis* ♀ ad. 171; 300; 100; 64; 12; 19; 21 mm.

11,965. *Colinus virginianus*. ♀ ad. 277; 404; 121; 79; 14.7; 36; 41 mm.

11,966. *Cyanocitta cristata* ♂ ad. 310; 443; 140; 150; 29; 37; 30. Mounted for John Knowles.

Lake Worden, R. I. Dec. 1, 1900.

11,967. *Pranta canadensis* ♂ ad. 655; 1760; 500; 200; cul. chord, 58;

96; 98. Iris dark hazel. Legs + feet, olive = cerise black; webs plumbeous-black. Bill black. Weight 9 1/4 lbs. Avondupois.

11968. *Colinus virginianus*. ♂ ad. 250; 387;
115; 13.8; 35; 37; tail, 71 mm.
11969. *Junco hyemalis*. ♂ ad. 162; 247; 81;
72; 11; 20.5; 19.5.
11970. *Melospiza fasciata*. ♂ ad. 163; 220; 70;
70; 12; 22.5; 20.

Lake Worden, R. I. Dec. 13, 1900.

11971. *Astragalinus tristis*. ♂ ad.
132; 228; 73; 53; 10.3; 13.7; 16.
11972. *Astragalinus tristis*. ♂ ad.
129; 230; 76; 54; 10.2; 13.2; 15.
11973. *Astragalinus tristis*. ♀ ad.
130; 222; 72; 53; 10; 14; 16.

Lake Worden, R. I., Dec. 14, 1900.

11974. *Passer domesticus*. ♂ ad.
167; 266; 82; 65; 13.5; 19.5; 20.
11975. *Passer domesticus*. ♂ ad.
164; 252; 80; 63; 13; 19; 20.
11976. *Cyanocitta cristata*. ♀ ad.
192; 423; 132; 133; 30; 35; 29.

Lake Worden, R. I. Dec. 19, 1900.

11977. *Merula migratoria*. ♂ ad.
208; 428; 144; 119; 20.5; 34; 30 mm.
11978. *Megascops asio*. ♂ ad. Gray phase.
246; 610; 180; 90; cul. + cere (chord), 22; cul., 15.5; tarsus, 36; jaw. t. c. 31.
Killed tame pigeon in cage, where it was trapped. Stomach contained pigeon.
11979. "Dog Owl". *Asio accipitrinus*. ♂ ad. 395; 1040; 330
160; e + c, 28; e, 17; 44; 41. Iris yellow. Stomach empty.

Lake Worden, R. I., Dec. 20, 1900. 21

11980. *Cyanocitta cristata*. ♀ ad. 292; 426;
136; 137; 25; 35; 30.

Lake Worden, R. I. Dec. 21, 1900.

11981. *Syrnium nebulosum*. ♂ ad. Stomach empty.
brown, appearing black. Bill and cere greenish yellow, the latter slightly
more greenish than the bill. Feet greenish yellow; claws
dusky, bluish brown, horn-colored base. 510; 1125; 350; 235; c + c 38; c 24; 53; 56.

11982. *Bonasa umbellus*. ♂ ad. Dec. 20, 1900.

460; 620; 195; 173; 17; 45; 57. Iris hazel.
Iris hazel. Feet plumbeous; claws brown tipped horn color.
Bill dusky, olivaceous brown, horn-colored on mandible except cere.

11983. *Colinus virginianus*. ♂ ad. Dec. 21.

265; 387; 119; 71; 13; 33; 36.

11984. *Colinus virginianus*. ♀ ad. Dec. 21.

260; 382; 115; 74; 13; 34; 36.

11985. *Fulica americana*. ♀ ad. Taken with
10 others (killed at 2 shots) in an air-hole
in the Perch Cove (= "Potter's Pond"), Salt
Pond, R. I., December 20, 1900.

375; 655; 190; 68; 41; 54; 80; head of
tibia to end of claws, 220; Preserved in formalin.

11986. *Fulica americana*. ♂ ad. 402; 710; 203;

70; 47; 58; 87; head of tibia to end of claws, 238.

11987. *Fulica americana*. ♀ ad. 372; 658; 190;

67; 41; 57; 80; head of tibia to end of claws, 228.

Preserved in formalin.

Note. - The town of South Kingston has
for many years paid a bounty of
25 cents on Hawks. I saw but one
from Nov. 21 to Dec. 24, on Lake Worden.
Syrnium nebulosum. - Mr. J. William
Critchley of Providence told me he had mounted
25 to 30 Barred Owls during the fall of 1900;
majority probably killed in R. I.

22 Fort Adams, Newport, R. I.

December 30, 1900.

Walked out to Davis's house on Brenton's Point. Saw many Herring Gulls, mostly immature; a flock of 10 Black Seoters; 3 White-winged Seoters; one Rough-legged Hawk; flock of 7 meadowlarks; one Common Cormorant; and a large flock of English Sparrows, feeding on the beach; also a few Tree Sparrows on the Polo ground.

11988. *Larus argentatus smithsonianus*.
Immature. Preserved in formalin.
Metal tag No. 370. ⁽³⁷⁰⁾ Found on the beach.

January 1, 1901.

11989. *Merganser serrator*. ♀ ad Preserved in formalin. Killed at the Dupluis, off Conanicut Island, R. I., by Acting Assistant Surgeon George S. Ramsay, U.S. Army. Iris hazel next to the pupil shading to cherry red externally, giving the appearance of a double-ring of color, hazel and cherry red. Bill, reddish brown above, ^{vibraceous} ~~purplish red~~ below, with processes at tips of maxilla and mandible, horn color. Feet, orange-rufous; webs brownish red; claws, plumbeous tipped with horn-color. 485; 840; 233; 102; culmen 56; tarsus, 48; middle toe with claw, 67 mm.
Metal tag No. 4568. In formalin.

Prudence Island, R. I. Aug. 30, 1901. 23

12600 *Somateria spectabilis* ♀ ad. Identification verified by Robert Ridgway.
Skull picked up on Prudence Island, Narragansett Bay, Rhode Island, by L. J. M.

12601. *Geothlypis trichas* ♂ juv.

12602. *Tyrannus tyrannus* ♀ juv.

12603 " " ♂ ad.

200; 365; 114; 89; 18; 17.5; 20 mm.

Hanging Rock, Middletown, R. I. Dec. 28, 1901.

Louis and I spent the day in the Hanging Rock woods and on 2d & 3d Beaches, Middletown.

Regulus satrapa. - One flock.

Philospiza melodia. - A number seen.

Colinus virginianus. - A flock of at least 20. When driven to a brushy point of cliff beside the marsh they uttered a soft call, repeated by so many birds at once that it sounded quite like a sweet but monotonous song, until all took to flight, following each other a few at a time, all going in the same direction.

Larus argentatus. - Common.

Harelda glacialis } flocks on East River.

Oedenia dylandi }

Colaptes auratus luteus. - About 10 seen.

Corvus americanus. - Large flocks flying northwest.

Passerculus species? - One.

Spizella monticola *Passer domesticus*. - flocks.

12604. *Nyctaiorax nyctaiorax naevius*. - Skeleton

found at Hanging Rock, Middletown, R. I.

Sciurus carolinensis leucotis. - I saw a fine one in the old juniper and hickory trees at Hanging Rock.

24 Fort Adams Newport, R. I. Jan. 16, 1902.

12604 *Otocoris alpestris* ♂ ad. 198; 353; 117;
83; 12.2; 23.5; 21; h. cl., 14.5.

Fort Adams, R. I. Jan. 23, 1902.

12605 *Sturnella magna* ♂ ad. 278; 433;
130; 92; 35.5; 42; 41 mm. Very fat.

Fort Adams, R. I.

12606. *Urinator lummei*. Two feet of one
found dead on Narragansett Bay at Ft. Adams.

Black-Tail Deer Creek, Yellowstone National Park,
Wyoming. July 13, 1902.

12607. *Dendragapus obscurus* juv.
Taken from a Hawk by Louis de J. J. Means.

Note. - My Yellowstone collection of birds,
beginning with no. 12607 and ending with no.
12634, are entered in small leather-covered
notebook, together with the mammals (Nos.
5249 to 5440) collected there. All were labelled.

Fort Snelling, Hennepin Co., Minn. Dec. 25, 1902.

12635. *Nyctala longimanus richardsoni*. ♂ ad. Stomach
contained a *Blarina brevicauda*, torn in pieces,
but swallowed with skin and hair on.

253; 573; 173; 110; cul. + cere, 19; cul., 14;
tarsus, 23; middle toe with claw, 27. Iris yellow.

Fort Snelling, Minn. March 5, 1903.
Crows have been seen daily since their arrival.
Oenanthis linaria. - 4 birds still here. Mostly females.

Fort Snelling, Minn. March 7, 1903.

25

12685. *Cyanocitta cristata* ♂ ad. 397; 432; 137;
137; 77; 35; 31 mm. Iris brown. Bill,
feet & claws, black.

12636. *Cyanocitta cristata* ♀ ad. 294; 432; 138;
142; 26; 34; 30. do
The above, perhaps males, were killed at same shot.

Fort Snelling, March 12, 1903.

12637. *Otocoris alpestris* ♂ ad.
184; 336; 108; 78; cul., 12.2; nost., 9; 21; 19; h. cl., 10

12638. *Spizella monticola* ♂ ad.
160; 240; 77; 71; 10.5; 21; 19.2.

12639. *Oenanthis linaria*, ♂ ad. (long tail & large feet).
141; 225; 76; 61; 9; 15; 15 mm. Heavy markings on sides.

12640. *Oenanthis linaria* ♂ ad.
133; 221; 75; 57; 9; 13.5; 13.

12641. *Oenanthis linaria* ♂ juv.
139; 223; 76; 63; 9; 15.5; 13.5.

12642. *Oenanthis linaria* ♀ ad.
137; 220; 73; 58; 9; 15; 15.

12643. *Oenanthis linaria* ♀ ad.
132; 210; 71; 56; 8.5; 14; 13.

12644. *Oenanthis linaria* ♀ ad.
137; 218; 74; 60; 8.7; 15; 13

Fort Snelling, Minn. March 19, 1903.

12645. *Laryornis phoebe* ♂ ad. Very fat.
180; 292; 88; 80; cul., 14.5; nost., 10.5; 19; 15.
Iris brown; bill, feet & claws, brownish black; tongue
and inside of mouth, yellow.

(Fort Snelling, March 19, 1903 - Continued)

12646. *Melospiza cinerea melodia* ♂ ad. Very fat.
167; 228; 69; 74; 12; 22.3; 21.8 mm.12647. *Spizella monticola* ♂ ad.
167; 243; 80; 76; 10; 21; 19.5.12648. *Spizella monticola* ♂ ad.
161; 245; 78; 71; 10.2; 21; 19.512649. *Spizella monticola* ♂ ad.
161; 242; 78; 75; 10; 20.5; 20.12650. *Spizella monticola* ♀ ad.
155; 230; 73; 71; 10.7; 21; 19.12651. *Spizella monticola* ♂ ad.
161; 245; 79; 76; 9.6; 21.7; 20. First of the
No. 12647, which is the darkest and reddest, with
the least white edging to wing and tail-feathers.In all the iris is brown. Bill with maxilla dusky,
brownish plumbeous; mandible yellow with dusky tip.
Tarsus brown; toes brownish black; claws black.12652. *Junco hyemalis*, ♂ ad. 164; 259; 85; 73;
12; 21.5; 20.5 mm.

March 21, 1903. Fort Snelling, Minn.

12653. *Junco hyemalis* ♂ ad. 160; 250; 79; 72;
10.8; 22; 19.12654. *Spizella monticola* ♂ ad. 158; 232; 74;
71; 10; 20.5; 18.5.12655. *Passerella iliaca* ♂ ad. The first seen.
183; 283; 89; 83; 12.8; 24; 22. Iris brown.Bill yellow on basal half of mandible, the rest olive.
Feet light purplish brown, almost flesh color on tarsi.
The only one seen.12656. *Dryobates villosus* ♀ ad. 257; 412; 130; 279;
30; 22; 23. Some are shot and discarded it.12657. *Dialia aialis*. ♂ ad. 179; 315; 103; 69; cul.,
13.2; nost. 9.8; 21; 20 mm. do12658. *Agelaius phoeniceus phoeniceus* ♂ ad.
237; 387; 126; 102; 22; height at base 13; 30; 27; claw, 8.12659. *Agelaius phoeniceus fortis*. ♂ ad.
250; 410; 130; 104; 19.7; height at
base, 15; 32; 34; cl, 8.

March 13, 1903. Mendota, Minn.

12660. *Dryobates villosus* ♂ ad. 264; 435;
136; 95; 33; 24; 24. Shot by George
Schneider who has the specimen.

March 25, 1903. Ft. Snelling, Minn.

12661. *Accipiter velox* ♀ ad. Iris orange-vermillion.
Cere wax yellow; Bill black, plumbeous at
base. Feet wax yellow, lemon yellow
on under side of toes. Claws plumbeous blk.
352; 680; 213; 186; cul. + cere 17; cul. 12
57; 44. Stomach empty; had just caught a Tree Sparrow.12662. *Agelaius phoeniceus* ♂ ad.
245; 395; 130; 108; 24.2; depth, 12;
tarsus, 30; mid. toe + claw, 21 (without claw).12663. *Agelaius phoeniceus* ♂ ad.
232; 390; 125; 102; 22; 12; 30; 29 mm.12664. *Agelaius phoeniceus* ♂ ad.
250; 405; 130; 111; 23; 13; 30; 27.5.

March 27, 1903. Ft. Snelling, Minn.

12665. *Calurus virginianus*. ♂ ad. 253; 392; 117;
75; cul., 14; height, 9.2; tars, 34; mte., 35.

28 March 27, 1903. Fort Snelling, Minn.

12666. *Spizella monticola* ♂ ad.
163; 238; 75; 73; 10.8; ~~18.5~~ 21; 18.5

12667. *Junco hyemalis* ♀ ad.
(162; 249; 78; 75; 10.5; 22; 19.

12668. *Junco hyemalis* (♀?) ad.
(161; 253; 81; 71; 10.9; 21.5; 19.

12669. *Sitta carolinensis* ♀ ad.
145; 287; 94; 53; 18; 19; 21.

March 28, 1903. Fort Snelling, Minn.
12670. *Sialia sialis* ♂ ad.

178; 305; 100; 72; ; most, 8; 20; 21.

12671. *Junco hyemalis* ♂ ad.
165; 253; 82; 72; 11.2; 22; 19 mm.

March 30, 1903. Ft. Snelling, Minn.
12672. *Otocoris alpestris* ♂ ad.

190; 346; 113; 81; cul. 12; most, 9.5; 22; 19.

12673. *Otocoris alpestris* ♂ ad.
193; 345; 111; 81; cul. 13; most, 10; 22; 19 mm.

12674. *Acanthis linaria* ♂ im.
136; 224; 77; 60; 9.15; 14.5.

12675. *Agelaius phoeniceus* fortis ♂ ad. 264; 415; 135;
117; cul., 25.6; depth bill, 16; 31.5; 30.5.

12676. *Lanius ludovicianus* ♂ ad.
234; 325; 100; 103; ~~21.7~~ 21.7; most 12; 27; 22.5.

12677. *Lanius ludovicianus* ♀ ad.
230; 325; 102; 107; 15; 26.5; 23; most, 12.

12678. *Agelaius phoeniceus* fortis ♂ ad. 260; 410;
133; 110; cul., 26; depth bill 15.2; 30; 31

12679. *Agelaius phoeniceus* phoeniceus ♂ ad. 29

247; 400; 127; 104; 23; height 13.2; 32; 30.

12680. *Agelaius phoeniceus* phoeniceus ♂ ad.
246; 396; 126; 105; 23; 12; 30.5; 29.5.

✓ 12681. *Coccyz occipularius* — ad. Whiffenford
dead. It had been killed in winter of 1902-'03.

April 3, 1903. Fort Snelling, Minn.

12682. *Sitta carolinensis* ♂ ad.
157; 288; 97; 52; 17; 18; 22 mm.

12683. *Junco hyemalis* ♂ ad.
162; 252; 81; 74; 10.7; 22; 20.

12684. *Junco hyemalis* ♂ ad.
160; 252; 81; 72; 12; 21; 19.

Amphispiza bilineata — When scratching its head, it ^{drops} its wing and puts its foot upon the wing.

April 8, 1903. Ft. Snelling Minn.

12686. *Melospiza cinerea melodia* ♂ ad.
170; 225; 72; 79; 12; 22; 21 mm.

April 11, 1903. Fort Snelling, Minn.

12687. *Regulus satrapa* ♂ ad.
105; 177; 59; 44; 8; 18; 12.7

12688. *Melospiza cinerea melodia* ♀ ad.
155; 210; 64; 68; 12.2; 22; 20.5

12689. *Lanius ludovicianus excubitorides* ♂ ad.
230; 327; 104; 105; 16; height bill 8; 27.5; 22.

12690. *Sialia sialis* ♂ ad.
176; 320; 106; 74; 13; 18.5; 20 mm.

30 (April 11 — (Concluded))

12691. *Colaptes auratus* ♂ ad.
320; 522; 164; 120; 36.5; 30; 32;

12692. *Colaptes auratus* ♂ ad.
340; 545; 170; 131; 40; 32; 33.

April 13, 1903. Ft. Snelling, Minn.

12693. *Sturnella neglecta* ♂ ad.
263; 431; 135; 93; 35; 40; 34 mm.

12694. *Dryobates pubescens* ♂ ad.
177; 316; 101; 72; 16.3; 18; 16. Tail with few cross bars.

12695. *Tachycineta bicolor* ♂ ad.
155; 328; 122; 64; 10.5; 11.5; 16 mm.

12696. *Tachycineta bicolor* ♂ ad. ♀
157; 316; 116; 65.5; 12; 16.

Corvus americanus. — Nest apparently finished.

Sitta carolinensis. — A pair building nest in large elm in swamp; carrying coarse materials.

Cyanocitta cristata. — Pair building in Norway spruce beside our quarters.

April 16, 1903. Ft. Snelling, Minn.

12697. *Meleospiza georgiana* ♂ ad. Cycloned.
150; 203; 65; 61; 12; 22; 20 mm.

First seen this year.

12698. *Junco hyemalis* ♀ ad. Cycloned.
160; 138; 78; 68; 12; 20; 19.

April 18, 1903. Ft. Snelling, Minn.

12699. *Regulus calendula* ♂ ad.
115; 179; 59; 47; 9; 19; 13.5 mm.

12700. *Spizella monticola* ♂ ad.

162; 245; 76; 75; 11; 21; 20.

12701. *Junco hyemalis* ♀ ad.
160; 240; 76; 67; 11; 22; 20

12702. *Proocentetes gramineus* ♂ ad.
168; 274; 86; 73; 12; 22; 19.

12703. *Colaptes auratus* ♀ ad. Blackish cheeks
315; 510; 160; 121; 36; 29; 31.

12704. *Agelaius phoeniceus* ♂ ad.

April 21, 1903. Ft. Snelling, Minn.

12705. *Sphyrapicus varius* ♂ imm.
219; 395; 128; 87; 22; 20; 22.

12706. *Junco hyemalis* ♂ ad.
160; 235; 75; 76; 11; 22; 19.

12707. *Dendroica coronata* ♂ ad.
148; 233; 77; 63; 10.5; 19; 16.

12708. *Dendroica coronata* ♂ ad.
147; 236; 76; 61; 10.5; 18; 17.

12709. *Dendroica coronata* ♀ ad.
147; 233; 76; 62; 10.2; 21; 16.

January 23, 1903. Ft. Snelling, Minn.

12710. *Spizella monticola* ♂ ad. Not measured.

12711. *Dryobates pubescens* ♂ ad. do

12712. *Passer domesticus* ♂ ad. do

April 16, 1903. Ft. Snelling, Minn.

12713. *Sceloporus carolinus* ♂ ad.
241; 370; 118; 99; 19.5; 32; 29 mm.

32 April 25, 1903. Ft. Snelling, Minn.

12714. *Botaurus lentiginosus*, ♂ ad.
710; 1100; 290; 195; 79; 98; 110 mm.

12715. *Colaptes auratus luteus* ♂ ad.
325; 529; 165; 124; 34; 32; 31 mm.

April 26, 1903. Ft. Snelling, Minn.

12716. *Molothrus ater*. ♂ ad.
207; 365; 120; 90; 18; 29; 25.

April 30, 1903. Ft. Snelling, Minn.

12717. *Zonotrichia albicollis*. ♂ ad.
171; 235; 74; 76; 12.5; 23; 22.

12718. *Zonotrichia albicollis*. ♂ ad.
175; 245; 75; 78; 12; 24; 23.

12719. *Melospiza palustris georgiana*. ♂ ad.
155; 208; 63; 65; 12; 23; 20.

12720. *Melospiza georgiana*. ♀ ad.
144; 199; 60; 59; 12; 22.5; 21.

12721. *Melospiza georgiana*. ♂ ad.
153; 206; 63; 64; 12; 22; 20.5.

12722. *Melospiza georgiana*. ♂ ad.
150; 205; 63; 62; 12; 23; 20.

May 1, 1903. Ft. Snelling, Minn.

12723. *Icthyophaga bicolor* ♂ ad.
153; 342; 126; 65; nost. 5.3; 12.5; 16 mm.

The temperature fell to 24° F. night before last and snow covered the ground. Swallows to day + yesterday have been skimming the lakes in quest of scanty food. The above specimen

was killed by a Blue Jay. I was 33

ogling the Jay through an opera glass when I noticed that it was biting something in a tall willow tree. A moment later the Jay flew and the Swallow dropped to the ground. It was extremely emaciated - a mere skeleton.

May 2, 1903. Ft. Snelling, Minn.

12724. *Asio wilsonianus* ♂ ad.
355; 920; 296; 170; 17; 45; 46. Iris yellow.

Gizzard contained a hair-pellet, in which were imbedded skulls of *Sorex personatus*, *Microtus minor*, *M. pennsylvanicus* and feet of *Certhia americana*.

Note. - *Otocoris alpestris praticola*. Young were seen arriving in two places to-day. At least two broods. Although able to fly quite strongly they were so unsuspecting that they could scarcely be driven to flight.

12725. *Luscalus pinicola aeneus* ♂ ad.
330; 470; 155; 147; 30; 38; 37.

12726. *Sturnella neglecta*. ♂ ad.
264; 427; 130; 82; 36; 40; 33;

12727. *Sayornis phoebe*. ♂ ad.
184; 292; 93; 81; 15; nost. 10.3; 18.5; 16.5.

12728. *Chondestes grammacus* ♂ ad.
168; 276; 88; 73; 12; 21; 19.

Cyanocitta cristata. - Nest in *Abies excelsa* in front of our house contained 5 eggs May 3, 1903, ^{hatched eggs} day or two later.

Vitta carolinensis. - Nest in elm-tree in swamp contained young May 2, 1903.

Asio wilsonianus. - Two pairs seen ~~April~~ May 2.

Harporhynchus rufus. - First seen (1) May 2, 1903.

12729. Asio wilsonianus. Fad. Wt. Snelling,
 Minn., April 27, 1903. Parent taken with
 2 eggs (one broken). Nest in aspen, 15 feet above
 the ground. It was an old crow's nest
 filled and flattened at top. Eggs measure
 42 by 33 mm. Byid: 370; 980; 300;
 160; 19; 45; 48. Iris yellow. Stomach
 contained remains of Microtus pennsylvanicus
 and Blarina brevicauda.
12730. Colaptes auratus luteus Fad. Wt. Snelling,
 Minn. April 30, 1903. Not measured.
 Skinned by Corporal Weir Marston.

Specimens of Mammals.

4379. Peromyscus leucopus (Raf.). ^{juv} ~~♂~~ Metal tag No. 3713. Skull no.
Length, 128; tail, 52; ~~pes~~, 19; ear crown, 11 mm.
Chickamauga National Park, Georgia Aug. 2, 1898.
4380. Peromyscus leucopus (Raf.). ^{juv} ~~♂~~ Metal tag No. 3728.
Length, 130; tail, 57; ~~pes~~, 19.2; ear from crown, 12 mm.
Chickamauga National Park, Georgia Aug. 2, 1898.
4381. Tamias striatus. ♀ ad. Camp Hamilton, Lexington, Ky.
August 25, 1898. 255; 95; head 48; ~~pes~~, 38 mm.
4382. Microtus pennsylvanicus ♀ juv.
August 25, 1898. Lexington, Ky.
4384. Scalops a. machrinus (Raf.). ♂ ad. Camp Hamilton, Lexington, Ky. Sept. 5, 1898. Length, 208; tail vert., 38; manus, 26x26; head length, 50; hind foot, 24. Skin + skull.
4385. Scalops a. machrinus (Rafim). ♀ ad. do do
185; 38; manus, 25 long + 21 wide; hind foot, 21.
Skull only. These two are from Rafinesque's type locality.
4383. Tamias striatus. ♀ ad. Skull only.
Lexington, Ky. August 26, 1898.

- 4418 }
4385. Mus musculus. ♀ ad. Nov. 16, 1898. Lexington Ky.
162; 77; 19 mm.
4386. Peromyscus leucopus. ♂ ad. Nov. 16, 1898.
165; 74; 21. Lexington, Ky.
4387. Peromyscus leucopus. ♀ ad. Nov. 16, 1898.
158; 67; 19.5. Lexington, Ky.
4388. Peromyscus leucopus. ^{juv} ~~♂~~ Nov. 16, 1898.
Lexington, Ky.
4389. Microtus pennsylvanicus. ♂ ad. Nov. 17. Lexington, Ky.
173; 73; 22.
4390. Peromyscus leucopus. ♀ ad. Nov. 17, 1898.
180; 82; 20.2. (See Bull. 37, p. 9) Lexington, Ky.
4391. Peromyscus leucopus. ♂ im. Nov. 17, 1898.
150; 19; 63. Lexington, Ky.
4392. Peromyscus leucopus. ♂ ad. Nov. 17, 1898.
179; 82; 21. Lexington, Ky.
4393. Peromyscus leucopus. ♂ yg. ad. Nov. 17, 1898.
162; 75; 20.5. Lexington, Ky.
4394. Peromyscus leucopus. ♀ im. Nov. 17, 1898. Lexington, Ky.
4395. Peromyscus leucopus. ♀ im. Nov. 17, 1898. Lexington, Ky.
4396. Microtus pennsylvanicus. ♀ juv. do
4397. Microtus pennsylvanicus. ♀ ad. Nov. 18, 1898.
164; 45; 21. Lexington, Ky.
4398. Sciurus carolinensis. ♀ ad. Nov. 18, 1898.
430; 190; pes, 61; head, 87 mm.
4399. Microtus pennsylvanicus. ♀ ad. Nov. 18, 1898. Lexington, Ky.
Length, 163; tail, 47; hind foot, 21 mm.

4400. *Peromyscus leucopus* *pennsylvanicus* ^{lecontei impiger Bangs.} ♂ ad. Lexington, Ky. Nov. 19/98.
Length, 180; tail, 83; hind foot, 21 mm.
4401. *Reithrodontomys lecontei impiger* ^{lecontei impiger Bangs.} ♀ juv. do
Length, 113; tail, 51; hind foot, 15.5 mm.
4402. *Reithrodontomys lecontei impiger* ^{lecontei impiger Bangs.} ♂ ad. Lexington, Ky. Nov. 21.
127; 57; 15.9 mm. do
4403. *Microtus pennsylvanicus* ♀ do
5 $\frac{11}{16}$; 1 $\frac{9}{16}$; 1 $\frac{13}{16}$ inch.
4404. *Peromyscus leucopus* ♂ ad. do
6 $\frac{3}{4}$; 3; 1 $\frac{13}{16}$ inch.
4405. *Peromyscus leucopus* ♂ im. do
5 $\frac{11}{16}$; 1 $\frac{9}{16}$; 1 $\frac{13}{16}$ inch. Not measured.
4406. *Tamias striatus* ♀ juv. 9 $\frac{9}{16}$; 3 $\frac{7}{16}$; 1 $\frac{6}{16}$ in. do
4407. *Lepus sylvaticus* ♂ ad. do
18 $\frac{3}{4}$; 3; pes, 3 $\frac{15}{16}$; head, 3 $\frac{9}{16}$; ear crown, 3 $\frac{1}{8}$; notch, 2 $\frac{7}{16}$.
4408. *Lemmus carolinensis*. ♂ do
16 $\frac{1}{2}$; tail (undone), 6 $\frac{3}{4}$; hind foot, 2 $\frac{7}{16}$.
4409. *Microtus pennsylvanicus* ♂ ad. Nov. 22/98. Lexington, Ky. do
7 $\frac{1}{4}$; 2 $\frac{1}{8}$; 1 $\frac{13}{16}$.
4410. *Peromyscus leucopus* ♂ ♂ do
6 $\frac{1}{4}$; 2 $\frac{3}{4}$; 1 $\frac{13}{16}$.
4411. *Reithrodontomys lecontei impiger* ^{lecontei impiger Bangs.} ♂ ad. Nov. 24
Length, 127; tail, 64; pes, 16 mm.
4412. *Microtus pennsylvanicus* ♂ ad. Dec. 1, 1898
Skull only. Length, 16 $\frac{7}{8}$; tail 2 $\frac{1}{8}$; pes, 8 inch.
Lexington, Ky.
4413. *Tamias striatus*. ♂ im. Length, 9 $\frac{1}{2}$; tail
vertebrae, 3 $\frac{7}{16}$; hind foot 1 $\frac{6}{16}$ inches.
Nov. 25, 1898. Lexington, Kentucky.

4414. *Tamias striatus*. ♂ ad. Nov. 25, 1898. Lexington, Ky.
Length, 10 $\frac{1}{16}$; tail vertebrae, 3 $\frac{7}{8}$; hind foot, 1 $\frac{1}{2}$.
4415. *Tamias striatus*. ♂ ad. Nov. 25, 1898. Lexington, Ky.
Length, 10; tail vertebrae, 3 $\frac{1}{2}$; hind foot, 1 $\frac{3}{8}$ inches.
4416. *Peromyscus leucopus* ♂ ad. Skull only,
Chickamauga Park, Georgia. August 20, 1898.
4417. *Peromyscus gossifimus* ♂ im. Skull only.
Chickamauga Park, Georgia. August 20, 1898.
4419. *Lemmus ludovicianus* ♂ ad. Lexington, Ky.
December 6, 1898. Length, 22; tail vert., 10 $\frac{1}{2}$;
hind foot, 3; head, 2 $\frac{7}{8}$; ear crown, 1 $\frac{11}{16}$; notch, 1 $\frac{3}{16}$.
4420. *Lepus sylvaticus*. - ad. Augusta,
Georgia. January 5, 1899. Weathered skull.
4421. *Peromyscus aureolus* ♂ ad. Augusta, Ga.
Jan. 23/1899. 175; 90; pes, 19; head, 29;
ear crown, 11.5; ear notch, 17 mm.
4422. *Peromyscus aureolus* ♀ do
151; 69; pes, 18; head, 27.5; ear cr, 12; notch, 17.
4423. *Peromyscus aureolus*. ♂ do
162; 73; pes, 19; head, 27; ear crown, 13; notch, 17.
4424. *Blarina carolinensis*. ♂ do
105; 21; pes, 12; head, 22;
Augusta, Ga. Jan. 24, 1899.
4425. *Peromyscus aureolus* ♂ ad.
170; 76; pes, 19; head, 29; ear crown, 12; notch, 15.5.
4426. *Peromyscus aureolus* ♂ ad.
156; 71; pes, 18.5; head, 28; ear crown, 11.5; notch, 16.
4427. *Peromyscus aureolus*. ♀
146; 65; pes, 18; head, 27; ear crown, 12; notch, 16.

4428. *Peromyscus aureolus* Eat. Augusta, Ga.
Jan. 25, 1899. 166; 77; pes, 18.5; head, 28;
ear crown 12.5; notch, 17 mm.
4429. *Peromyscus aureolus*. ♂ ad. Augusta,
Georgia. February 9, 1899. Skull, only.

Fort Adams, Newport, Rhode Island.

4430. *Lepus cuniculus* ad. Domestic Rabbit.
A broken, weathered skull, picked up near
the beach February 25, 1899.

May 1st, 1899.

The following-named mammals in-
habit this locality:

1. Whale (*Sibbaldus tectirostris* Cope). - One
seen in Narragansett Bay, March 11, 1899.
One or two are seen each year, I am told.
2. *Fiber zibethicus* (Linnaeus). - One
found dead on Easton's Beach April 27, 1899.
Size apparently very large, like specimen
collected years ago on Long Island by
Theodore Roosevelt.
3. *Microtus pennsylvanicus* (Ord). - Very
numerous. Often seen in daytime.
4. *Mus decumanus* Linnaeus. - Called
"Wharf Rat". Numerous, large, and bold.
5. *Mus musculus* Linnaeus. Abundant
- [6. *Arctomys monax* (Linnaeus). - One
seen from train, in western Rhode
Island. Not yet seen about Fort Adams.]

7. *Phoca vitulina* Linnaeus. - Often seen
in Narragansett Bay. Until work began
on the new fort at the Dumpings on
the opposite side of the East Channel from
Fort Adams, seals were often seen at those
little rock islands.

8. Porpoises (*Phocaena phocaena* (Linn)) are
abundant in Narragansett Bay, but I
have not seen them.

Note. - I have done no shooting
or trapping as yet.

4431 *Microtus pennsylvanicus*. Skull
found at Fort Adams, Rhode Island,
May 18, 1899.

4432. *Fiber zibethicus* - ad. Skull of
specimen found dead at Easton's Beach,
Newport, Rhode Island, ^{April 27,} ~~May 27,~~ 1899.
Sept. 2, 1899. Ft. Adams, R.I.

4433. *Mus decumanus* ♂ ad.
Length, 465; ^{tail} 218; hind foot, 45; ear from
crown, 15.5; notch, 21.5; head, 59 mm.

4434. *Peromyscus leucopus*. ♀ ad.
173; 78; 21.6; 14; 17; 29.

4435. *Mus musculus*. Immature.
153; 72; 19

4436. *Mus decumanus* ♂ juv.
Gray pelage.

56 Fort Adams, Newport, Rhode Island.
Sept. 14, 1849.

Rode around the Ocean Drive on my wheel. The Barn Swallows and Kingbirds some of which were seen Sept. 12th have departed.

Herring Gulls came in flocks
Sept. 12. A young one was
seen August 4th. No others until
Sept. 4th when several young
appeared. The first adult was seen
Sept. 11. Both young and adults
were abundant Sept. 12.

A few Terns, probably Common
are still here. Nighthawks, which
have been common though not
numerous for ten days past,
are still here.

Sept. 16, 1899.

Coccyzus erythrophthalmus. - One seen.

Nov. 19, 1899. Y. F. Adams, R. I.

Dendroica coronata. - One seen

Colaptes auratus. - One.

Spizilla monticola. - Abundant.

Sturnella magna. - Common. Breeding.

Anorthura hyemalis. - One; the first seen yesterday

Nov. 20, 1899. Mt. Adams, R. I.

Dendroica coronata

Colaptes auratus. - Several.

Parus atricapillus. - Several in scattered pairs.

F. A. Adams, R. I. Nov. 18, 1899.

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4437. Microtus pennsylvanicus. ♀ juv.

4438. " " " " 9 ad.
Length, 180; tail, 49; tail hairs, 56; hind
foot, 22; head, 34; ear crown, 8; ear notch 13 mm.

44319. Microtus pennsylvanicus. F.ad.
170; 46; 52; 23; head, 32; ear crown, 7;
ear notch, 13 mm.

4440. ~~Microtus~~ Blarina brevicauda. ♀ ad.
Length, 132; tail vert., 26; hind foot, 16;
head, 31 mm.

Wm. Adams, R. I., Nov. 19, 1899.

4441. Blarina brevicauda Fad. In formalin.
Hound drowned in a brick sewer into
which it had fallen, along with No. 4442.

✓ 4442. Microtus pennsylvanicus juv.
Preserved in formalin. See under no. 4441.

4443. Mus musculus ♀ ad. Length, 178; tail out,
Am. Mus. Nat. Hist., N.Y. 86; hindfoot, 19; head, 25; ear crown, 9.5; ear notch, 12.5.

4444. Peromyscus leucopus. ♂ ¹ ² ³ ⁴ ⁵ ⁶ ⁷ ⁸ ⁹ ¹⁰ ¹¹ ¹² ¹³ ¹⁴ ¹⁵ ¹⁶ ¹⁷ ¹⁸ ¹⁹ ²⁰ ²¹ ²² ²³ ²⁴ ²⁵ ²⁶ ²⁷ ²⁸ ²⁹ ³⁰ ³¹ ³² ³³ ³⁴ ³⁵ ³⁶ ³⁷ ³⁸ ³⁹ ⁴⁰ ⁴¹ ⁴² ⁴³ ⁴⁴ ⁴⁵ ⁴⁶ ⁴⁷ ⁴⁸ ⁴⁹ ⁵⁰ ⁵¹ ⁵² ⁵³ ⁵⁴ ⁵⁵ ⁵⁶ ⁵⁷ ⁵⁸ ⁵⁹ ⁶⁰ ⁶¹ ⁶² ⁶³ ⁶⁴ ⁶⁵ ⁶⁶ ⁶⁷ ⁶⁸ ⁶⁹ ⁷⁰ ⁷¹ ⁷² ⁷³ ⁷⁴ ⁷⁵ ⁷⁶ ⁷⁷ ⁷⁸ ⁷⁹ ⁸⁰ ⁸¹ ⁸² ⁸³ ⁸⁴ ⁸⁵ ⁸⁶ ⁸⁷ ⁸⁸ ⁸⁹ ⁹⁰ ⁹¹ ⁹² ⁹³ ⁹⁴ ⁹⁵ ⁹⁶ ⁹⁷ ⁹⁸ ⁹⁹ ¹⁰⁰ ¹⁰¹ ¹⁰² ¹⁰³ ¹⁰⁴ ¹⁰⁵ ¹⁰⁶ ¹⁰⁷ ¹⁰⁸ ¹⁰⁹ ¹¹⁰ ¹¹¹ ¹¹² ¹¹³ ¹¹⁴ ¹¹⁵ ¹¹⁶ ¹¹⁷ ¹¹⁸ ¹¹⁹ ¹²⁰ ¹²¹ ¹²² ¹²³ ¹²⁴ ¹²⁵ ¹²⁶ ¹²⁷ ¹²⁸ ¹²⁹ ¹³⁰ ¹³¹ ¹³² ¹³³ ¹³⁴ ¹³⁵ ¹³⁶ ¹³⁷ ¹³⁸ ¹³⁹ ¹⁴⁰ ¹⁴¹ ¹⁴² ¹⁴³ ¹⁴⁴ ¹⁴⁵ ¹⁴⁶ ¹⁴⁷ ¹⁴⁸ ¹⁴⁹ ¹⁵⁰ ¹⁵¹ ¹⁵² ¹⁵³ ¹⁵⁴ ¹⁵⁵ ¹⁵⁶ ¹⁵⁷ ¹⁵⁸ ¹⁵⁹ ¹⁶⁰ ¹⁶¹ ¹⁶² ¹⁶³ ¹⁶⁴ ¹⁶⁵ ¹⁶⁶ ¹⁶⁷ ¹⁶⁸ ¹⁶⁹ ¹⁷⁰ ¹⁷¹ ¹⁷² ¹⁷³ ¹⁷⁴ ¹⁷⁵ ¹⁷⁶ ¹⁷⁷ ¹⁷⁸ ¹⁷⁹ ¹⁸⁰ ¹⁸¹ ¹⁸² ¹⁸³ ¹⁸⁴ ¹⁸⁵ ¹⁸⁶ ¹⁸⁷ ¹⁸⁸ ¹⁸⁹ ¹⁹⁰ ¹⁹¹ ¹⁹² ¹⁹³ ¹⁹⁴ ¹⁹⁵ ¹⁹⁶ ¹⁹⁷ ¹⁹⁸ ¹⁹⁹ ²⁰⁰ ²⁰¹ ²⁰² ²⁰³ ²⁰⁴ ²⁰⁵ ²⁰⁶ ²⁰⁷ ²⁰⁸ ²⁰⁹ ²¹⁰ ²¹¹ ²¹² ²¹³ ²¹⁴ ²¹⁵ ²¹⁶ ²¹⁷ ²¹⁸ ²¹⁹ ²²⁰ ²²¹ ²²² ²²³ ²²⁴ ²²⁵ ²²⁶ ²²⁷ ²²⁸ ²²⁹ ²³⁰ ²³¹ ²³² ²³³ ²³⁴ ²³⁵ ²³⁶ ²³⁷ ²³⁸ ²³⁹ ²⁴⁰ ²⁴¹ ²⁴² ²⁴³ ²⁴⁴ ²⁴⁵ ²⁴⁶ ²⁴⁷ ²⁴⁸ ²⁴⁹ ²⁵⁰ ²⁵¹ ²⁵² ²⁵³ ²⁵⁴ ²⁵⁵ ²⁵⁶ ²⁵⁷ ²⁵⁸ ²⁵⁹ ²⁶⁰ ²⁶¹ ²⁶² ²⁶³ ²⁶⁴ ²⁶⁵ ²⁶⁶ ²⁶⁷ ²⁶⁸ ²⁶⁹ ²⁷⁰ ²⁷¹ ²⁷² ²⁷³ ²⁷⁴ ²⁷⁵ ²⁷⁶ ²⁷⁷ ²⁷⁸ ²⁷⁹ ²⁸⁰ ²⁸¹ ²⁸² ²⁸³ ²⁸⁴ ²⁸⁵ ²⁸⁶ ²⁸⁷ ²⁸⁸ ²⁸⁹ ²⁹⁰ ²⁹¹ ²⁹² ²⁹³ ²⁹⁴ ²⁹⁵ ²⁹⁶ ²⁹⁷ ²⁹⁸ ²⁹⁹ ³⁰⁰ ³⁰¹ ³⁰² ³⁰³ ³⁰⁴ ³⁰⁵ ³⁰⁶ ³⁰⁷ ³⁰⁸ ³⁰⁹ ³¹⁰ ³¹¹ ³¹² ³¹³ ³¹⁴ ³¹⁵ ³¹⁶ ³¹⁷ ³¹⁸ ³¹⁹ ³²⁰ ³²¹ ³²² ³²³ ³²⁴ ³²⁵ ³²⁶ ³²⁷ ³²⁸ ³²⁹ ³³⁰ ³³¹ ³³² ³³³ ³³⁴ ³³⁵ ³³⁶ ³³⁷ ³³⁸ ³³⁹ ³⁴⁰ ³⁴¹ ³⁴² ³⁴³ ³⁴⁴ ³⁴⁵ ³⁴⁶ ³⁴⁷ ³⁴⁸ ³⁴⁹ ³⁵⁰ ³⁵¹ ³⁵² ³⁵³ ³⁵⁴ ³⁵⁵ ³⁵⁶ ³⁵⁷ ³⁵⁸ ³⁵⁹ ³⁶⁰ ³⁶¹ ³⁶² ³⁶³ ³⁶⁴ ³⁶⁵ ³⁶⁶ ³⁶⁷ ³⁶⁸ ³⁶⁹ ³⁷⁰ ³⁷¹ ³⁷² ³⁷³ ³⁷⁴ ³⁷⁵ ³⁷⁶ ³⁷⁷ ³⁷⁸ ³⁷⁹ ³⁸⁰ ³⁸¹ ³⁸² ³⁸³ ³⁸⁴ ³⁸⁵ ³⁸⁶ ³⁸⁷ ³⁸⁸ ³⁸⁹ ³⁹⁰ ³⁹¹ ³⁹² ³⁹³ ³⁹⁴ ³⁹⁵ ³⁹⁶ ³⁹⁷ ³⁹⁸ ³⁹⁹ ⁴⁰⁰ ⁴⁰¹ ⁴⁰² ⁴⁰³ ⁴⁰⁴ ⁴⁰⁵ ⁴⁰⁶ ⁴⁰⁷ ⁴⁰⁸ ⁴⁰⁹ ⁴¹⁰ ⁴¹¹ ⁴¹² ⁴¹³ ⁴¹⁴ ⁴¹⁵ ⁴¹⁶ ⁴¹⁷ ⁴¹⁸ ⁴¹⁹ ⁴²⁰ ⁴²¹ ⁴²² ⁴²³ ⁴²⁴ ⁴²⁵ ⁴²⁶ ⁴²⁷ ⁴²⁸ ⁴²⁹ ⁴³⁰ ⁴³¹ ⁴³² ⁴³³ ⁴³⁴ ⁴³⁵ ⁴³⁶ ⁴³⁷ ⁴³⁸ ⁴³⁹ ⁴⁴⁰ ⁴⁴¹ ⁴⁴² ⁴⁴³ ⁴⁴⁴ ⁴⁴⁵ ⁴⁴⁶ ⁴⁴⁷ ⁴⁴⁸ ⁴⁴⁹ ⁴⁵⁰ ⁴⁵¹ ⁴⁵² ⁴⁵³ ⁴⁵⁴ ⁴⁵⁵ ⁴⁵⁶ ⁴⁵⁷ ⁴⁵⁸ ⁴⁵⁹ ⁴⁶⁰ ⁴⁶¹ ⁴⁶² ⁴⁶³ ⁴⁶⁴ ⁴⁶⁵

4445. Blarina brevicauda. ♀ ad. Length, 131;
tail vert., 37; hind foot, 16; head 28 mm.

4446. Blarina brevicauda. ♀ immature.
133; 26; 15.5; 28

4447. Blarina brevicauda. ♀ ad.

132; 30; 16; 29 mm. Sent to Am. Mus. Nat. Hist., N.Y.

4448. Blarina brevicauda. Fishershire.

4449. Blarina brevicauda. ♂ ad.
115; 23; 16.7; 29.
134; 31; 18; 31.

Fort Adams, R. I. Nov. 20, 1899.

4450. *Microtus pennsylvanicus* ♀ juv.
Length, 143; tail vert., 37; hind foot, 21.5 mm.
4451. *Microtus pennsylvanicus* ♂
Length, 164; tail vert., 45; tail hairs, 52;
hind foot, 22; head, 32; ear crown, 7;
ear notch, 11.5 mm.
4452. *Blarina brevicauda* ♀. Length, 125;
tail vert., 25 (pencil, 6); hind foot, 16; head, 30 mm.
4453. *Blarina brevicauda*. ♂
126; 27; 15.8; 30 mm.
4454. *Blarina brevicauda*. ♂ im.
121; 25.5 (pencil, 6.5); 16; 29 mm.
4455. *Blarina brevicauda*. ♂
126; 27; 16.7; 29 mm.

Fort Adams, R. I. Nov. 21, 1899.

4456. *Mus musculus* ♀ im.
4457. *Microtus pennsylvanicus*. ♀ ad.
Am. Mus. Nat. Hist., N.Y. 173; 55; hairs, 63; hind foot, 22; head, 33;
ear crown, 7.3; ear notch, 12.3 mm.
4458. *Blarina brevicauda* ♀ ad.
132; 26; 16; 31 mm.
4459. *Blarina brevicauda* ♀ juv.
125; 28; 16; 29 mm.

Fort Adams, R. I. Nov. 22, 1899.

4460. *Microtus pennsylvanicus*. ♂ ad.
166; 47 (hairs, 54); h. ft., 22; head, 33;
ear crown, 8; ear notch, 13 mm.
4461. *Blarina brevicauda* ♀
121; 25; 16; 28 mm.

Fort Adams, R. I. Nov. 23, 1899. 59

With 106 traps set, caught 6 small mammals, only, as most of the little beasts have been taken in the area covered by the traps; and the traps were purposely left, in the hope of getting some species additional to our list. Hitherto, besides the house cat and mouse, only *Blarina brevicauda*, *Microtus pennsylvanicus*, and *Peromyscus leucopus* have been trapped by us on this island. We have found the harbor porpoise alive, and have seen numerous dead examples of the Skunk and Muskrat. Bats have also been seen in considerable number. The only one taken (by my son) was a Red Bat.

4462. *Mus musculus*. ♀ im. (Presented to the Am. Mus. Nat. Hist., N.Y.)
4463. *Blarina brevicauda*. ♂ ad. Length, 130;
tail vertebrae, 28; tail to end of hairs, 35; hind foot, 16.4; head, 30.3.
4464. *Blarina brevicauda*. ♂ ad.
127; 22; hairs, 30; h. ft., 16; head, 30 mm.
Sent to the Am. Mus. Nat. Hist., N.Y.

Fort Adams, R. I. Nov. 24, 1899.

Six mammals trapped (106 traps). Two *Peromyscus leucopus*, 1 *Blarina brevicauda*, 1 *Microtus pennsylvanicus*, and one each of *Mus musculus* and *M. decumanus*.

4465. *Mus musculus*. ♂ juv.
4466. *Peromyscus leucopus* ♂ im. Length,
146; tail vert., 62; hind foot, 20.5 mm.

(Ft. Adams, R. I., Nov. 24, 1899—Concluded.)

4467. *Microtus pennsylvanicus*. ♂ im.
Length, 158; tail vert., 43; hind foot, 22.3

4468. *Blarina brevicauda*. ♀ ad. Length
144; tail vert., 30; tail hairs, 35; hind
foot, 16.8; head, 31 mm.

(Ft. Adams, R. I., Nov. 25, 1899.)

Trapped 4 *Blarina brevicauda* and one
Microtus pennsylvanicus in 106 traps.

4469. *Blarina brevicauda*. ♀.

133; 27; 32; 16.2; 31 mm.

4470. *Blarina brevicauda*. ♀.

123; 25; 30; 16; 30 mm.

4471. *Blarina brevicauda*. ♀.

132; 28; 33; 16; 29 mm. Molting.

(Ft. Adams, R. I., Nov. 26, 1899.)

4472. *Mus decumanus* Pallas. ♂ ad. Skull only.

A large, wild "Wharf Rat", living in bank by the sea.
With 106 traps only 4 mammals (1 House Rat and
3 *Blarinas*) were taken. Louis skinned the *Blarinas*.

(Ft. Adams, R. I., Nov. 27, 1899.)

With 130 traps, 1 rat and 1 *Blarina* were caught.
Rats sprung most of the traps.

(Ft. Adams, R. I., Nov. 28, 1899.)

4473. *Microtus pennsylvanicus*. ♂ ad. Length,
173; tail vert., 54; tail hairs, 60;

hind foot, 23; head, 33 mm. Presented
to the Am. Mus. Nat. Hist., N. Y.

4474. *Microtus pennsylvanicus* (Ord) ♂ Length,
155; tail vert., 44; tail hairs, 50; hind
foot, 21; head, 32 mm.

4475. *Blarina brevicauda* ♀ ad.

Length, 128; tail vert., 26; hairs, 31; hind
foot, 16.5; head, 31 mm.

4476. *Blarina brevicauda*. ♂ ad.

130; 27; 32; 16.5; 30 mm.

November 29, 1899.

Took up all the traps set near Ft. Adams,
and transferred them to Conanicut
Island, where about 80 were set in
a swamp grown with ^{willow} swamp maple, alder,
rose, grape, ~~and~~ benzoin and many other
shrubs & small trees; in the wettest parts
carpeted with sphagnum, in which
numerous runways and tunnels were
found, some of the latter so small
as to suggest their being those of a *Sorex*.
The morning's catch at Ft. Adams, Rhode
Island island was 1 *Microtus* & 5 *Blarinas*.

November 30, 1899.

Trapped six mammals (3 house rats,
1 house mouse, and two *Microtus*
pennsylvanicus) on Conanicut
Island. Three flat skins of *Fiber*
recently trapped at the Icehouse Pond
(Isaac Miller's property) were given us.

(Nov. 30 - Concluded.)

4477. Fiber zibethicus. Adult. Flat skin ^{no skull}
 4478. " " Adult " "
 4479. " " Immature " "
 4480. Microtus pennsylvanicus. ♀ im.
 Length, 138; tail vertebrae, 39; hind foot, 21 mm.

4481. Mus musculus. ♀ im.
 Length, 145; tail vert., 71; hind foot, 18.3.

4482. Mus decumanus Pallas. ♀ ad.
 Length, 405; tail vert., 190; hairs, 195;
 hind foot, 42.5; head, 56; ear crown, 13;
 ear notch, 20 mm.

Notes. - Mr. Isaac Clark was the first person to report the presence of the Right Whale (Balaena cisarctica Cope) off Beaver-tail, Conanicut Island.

When it finally appeared off Fort Adams it was shot, wounded, and finally drawn ashore in Brenton's Cove where it was killed. This was in 1894?

Mr. Clark said that both brown and black Minks are found on Conanicut Island, and that some are trapped nearly every year. The "black" skins sell for \$2⁵⁰ and the "brown" for \$1⁰⁰ each.

Fiber zibethicus. - Mr. Clark, who gave us the 3 Muskrat skins, says that about 200 are annually trapped on Conanicut Island.

Mr. Clark never heard of a Weasel, ^{skunk, or Raccoon} on Conanicut Island; but described

Peromyscus leucopus noveboracensis

and said they had always been more or less common on the island. He said Blarina brevicauda was very scarce there. Bats of several species are found there; and Seals are regularly seen off the shores, especially about the Dismal Swamp and rocks at Beaver-tail.

The Captain of the Ferryboat "Beaver-tail" had taken Mink, Muskrat, Deer Mouse, Meadow Mouse, and Rabbits on Conanicut Island. A Mr. Gardner told me he had taken two specimens of Rabbits on Conanicut Island, November 27, 1899. Several persons said that Rabbits are quite numerous on the island. The list of Mammals known to occur on Conanicut Island is as follows:

- 1 Phoca vitulina
- 2 Peromyscus leucopus noveboracensis
- 3 Microtus pennsylvanicus
- 4 Mus decumanus Pallas.
- 5 Mus musculus.
- 6 Lepus floridanus maculatus
- 7 Fiber zibethicus
8. ? Blarina brevicauda
- 9 - Several undetermined species of Bats.

64 Conanicut Island, R. I. Dec. 1, 1899.

4483. *Peromyscus leucopus novboracensis*
♂ ad. Length, 185; tail vertebrae, 81; tail to
end of hairs, 86; hind foot, 22.5; head, 32;
ear from crown, 12; notch, 16.5 mm.

4484. *Microtus pennsylvanicus*. ♂ ad.
Length, 160; tail vert., 44; tail hairs, 50;
hind foot, 22; head, 32; ear from crown,
9; ear from notch, 15 mm. Trapped
in a sphagnum swamp on west side of
Conanicut Island. Color grayish.

Conanicut Island, R. I. Dec. 2, 1899.

4485 *Peromyscus leucopus* ♂ juv. Length, 136;
tail vertebrae, 58; hind foot, 21 mm.
All gray pelage.

Conanicut Island, R. I. Dec. 3, 1899.

~~4486~~ Brought in the traps from Conanicut
Island. In 125 traps only four mammals
were taken (1 Muskrat, 2 House Rats, and 1 *Peromyscus*).

4486 *Peromyscus leucopus novboracensis* ♂ ad.
Length, 172; tail vert., 78; hairs, 83; hind foot, 21.5;
head, 29; ear from crown, 11; ear notch, 16.

Fiber zibethicus. - On November 29, 1899, Mr.
Isaac Clark lay concealed watching a
Muskrat that he was trying to shoot. Intent
on killing the Muskrat that had given
trouble by injuring the dam, Mr. Clark
was surprised to see the animal suddenly
dive. Looking up the cause was discovered.

65 A Great-horned Owl (*Bubo virginianus*)
was flying overhead also intent on capturing
the Muskrat.

Notes on Delphinidae: -

1. The Striped Dolphin (*Lagenorhynchus acutus*
Gray), figured by Doctor True, Bull. 36, U.S. Nat.

Mus. (pl. x xiii), was "captured at Woods Hole, Mass."

True also records six specimens from "Cape Cod" (p. 87) See "Habitat" (p. 169).
2. *Tursiops tursio* (Fabricius). Porpoise. - True
gives no record from north of New York (Fire
Island and Turkey Gut), but under "Habitat," (p. 159)

3. *Delphinus delphis* Linnaeus.

Porpoises or Delphinids are known to occur in
large numbers between Block Island and
Newport, Rhode Island; and, since Doctor
True records specimen No. 20,873, U. S. Nat.
Mus., taken "Off Block I'd, R. I.," as
belonging to this species, it may be
assumed to be the common Porpoise
of this region. True also records this
species from "New York Bay" and "New York
Harbor," ~~and~~ from "Off No Man's Land, Mass.,"
+ "Woods Hole, Mass." "Habitat. - Pelagic," [p. 161].

4. *Phocaena phocaena* (Linnaeus). Harbor Porpoise.

This is abundant in Narragansett Bay where
it is commonly called "Puffing Pig". Doctor
True states that all of the U. S. Nat. Mus. from
the "east coast" (Atlantic) are from Cape May,
N. J. and Casport, Me.

5. *Globicephalus melas* (Trill). Blackfish.

Schools of Blackfish enter Narragansett
Bay, where some are taken every year or two.
Its range extends south along the Atlantic coast
to New Jersey. True records 6 specimens from Cape Cod
D. True recorded it from the east end of Long Island, N. Y. Sep. 1899.

In Document 3 of the Rhode Island Natural History Society, under "Donations to Museum": "Mr. George H. Norman, Newport; skull of a black fish."

6. *Orca orca* (Linnaeus). Killer; Sword Grampus. This pelagic species has been recorded from Long Island by De Kay. True figures it on plate XLV. Jordan gives the following: "Black, white below. A most persistently voracious and destructive cetacean, attacking all large sea animals, tunnies, sword-fishes, seals, and all whales, even the largest, to the great annoyance of the fishermen. L. 20 feet or more. D. 6 feet high. Atl. (Eu.) (*O. gladiator* Bonnaterre.)"
7. *Grampus griseus* (Cuvier).

Doctor True records about 20 specimens.

"All these specimens are from Cape Cod, Massachusetts, whence they were received in the fall of 1875." . . . "Cape Cod; Atlantic City, N. J.; Massachusetts." [p. 183.]

8. *Delphinapterus leucas* (Pallas).
"Color white throughout" [True, p. 187] "Total length, 137.5 inches." . . . straggling southward to Fifth of North, Scotland, and Cape Cod, Massachusetts." [True, p. 188.]

Notes on the Whales.

1. *Hyperoodon rostratus* (Cheminetz). Bottle-nosed whale. — De Kay, Zoology of New York Mammalia, page 130, 1842, says: "The above description was taken from a whale captured in the lower bay of New York in 1822. I had no opportunity of determining its sex, but was informed that it was a

female." In his "Preliminary List of New York Mammals", Bull. N. Y. State Mus., Vol. 6, No. 29, Oct., 1899, page 297, Mr. Gerrit S. Miller, jr. observes: "This whale has been taken in New York waters only once, in 1822."

2. *Physeter macrocephalus* Linnaeus.

Sperm Whale. — In the list above cited, Mr. Miller observes that this species was "Formerly abundant along the coast but now nearly exterminated." In 1842, De Kay wrote: "The sperm whale was formerly numerous on our coast where it is still occasionally captured." [Page 129.]

Thus far I have but one record for the State of Rhode Island: Captain B. F. Gardner, who as pilot and captain of the steamboat "George W. Donaldson", ran between Block Island and Newport for sixteen (16) years, ending in 1896, informed me that a Sperm Whale beached at Block Island about the year 1870. By experienced whalers this individual was pronounced to be a Sperm and not a ~~Right~~ Right Whale. Some of the remains of this whale are still preserved at Block Island. Captain William Littlefield, brother-in-law of Captain Gardner, has parts of the skeleton in his garden, at Block Island, at the present time (November, 1899).

3. *Balaena piscarctica* Cope. Wright Whale.
 "This whale is frequently seen off the south coast of Long Island, and occasionally one is captured near the eastern end of the island," writes Mr. Helme in Miller's New York list.

It is commonly seen off the coast of Rhode Island, and occasionally though rarely enters Narragansett Bay. Captain B. F. Gardner who was pilot and captain of the steamboat "George W. Donaldson," running between Block Island and Newport, Rhode Island, from 1880 to 1896, informed me that almost every year Right Whales were seen in schools of six to twenty (6-20), usually in pairs. He saw them last in 1896. But, as he called them "Fin-back Whales", I am uncertain whether they belonged to this species or the next.

Jordan says: "Right Whale. Black Whale. The common large whale of our Eastern coasts and the North Atlantic generally, occasionally south D. to D. C. Color black. L. 40 feet."

4. *Sibbaldius tectirostris* Cope. Fin-back Whale.
 Jordan says: "L. 60 feet. Coast of E. U. S., the most common large whale in Mass. Bay." The whale killed by soldiers at Brenton's Cove, Ft. Adams, R. I. may have been this species, as I have often heard it spoken of as a "Fin-back."

Papers collated for Records of Rhode Island Mammals.

1. Jordan's Manual of Vertebrates 2d + 5th Eds.
2. True's Review of Family, Delphinidae.
3. Harrison Allen's Bats, last edition.
4. Random Notes by Southwick and Jencks.
5. Jones and Allen. Monogr. Rodentia.
6. Coues's N. Am. Mustelidae [No R.I. references!]
7. Proceedings of the Rhode Island Natural History Society.
8. De Kay's N. Y. State Mammals, 1842.
9. Colonial Records of State of Rhode Island Vols. I - X
10. Audubon & Bachman's Quadrapeds of U. Am. Vols. I, II, + 2 odd nos.
11. Merriam's Mammals of the Adirondacks, N. Y.
12. American Moles. True. 1896.
13. Preliminary list of New York Mammals. Miller. 1899.
14. Geological Survey of Rhode Island.
15. Mammals of North America. Baird. 1857. No references to R. I.!
16. Smithsonian and U. S. Nat. Mus. Reports, for 1896, 1895, 1894, 1893

Microtus pennsylvanicus.—Two specimens (Nos. 4716 and 4719, U.S.N.M.) collected in November, 1855, at Newport, R. I., by S. Powell are marked as the types of "*borealis*", Le Conte, 1853 (sic); see Richardson, "by E. Cones in Rodentia, Table XLII, p. 166.

Specimen No. 4722, U.S.N.M., is marked by Cones as the "*Type of nasuta*." It evidently is one of the same batch of Newport specimens collected by Powell, whereas *nasuta* Bachman came from Mass.

Memorandum of mammal-traps on hand December 6, 1899.

- 4 Steel traps (2 no 0 and 2 no. 1), one defective,
- 4 Chimney,
- 1 Small wooden,
- 6 Large-pattern cyclone (one broken),
- 107 Cyclone, small.
- 122 Total. All in, Dec. 6, 1899.

December 6, 1899.

The specimens of *Lepus* registered below came from the Boston Market, and must have been killed during the first week of December. Many of the adults are changing to white; but the ^{quite} young in this lot were all in brown summer pelage.

- 4487. *Lepus americanus virginianus* ♂ ad. Molting, but still almost entirely brown. Length, 535 mm.; tail vertebrae, 64;

tail to end of hairs, 90; hind foot, 142; head, 100; ear from crown, 90; ear from notch, 74.

- 4488. *Lepus americanus virginianus*. ♀ im. Length, 405; tail vert., 60; tail hairs, 95; hind foot, 143; head, 90; ear crown, 91; ear notch, 75 mm. Pelage thickly mixed with white.
- 4489. *Lepus americanus virginianus*. ♂ im. 470; 50; 80; 130; 90; 88; 72 mm.

Conanicut Island, R. I. Dec. 12, 1899.

- 4490. *Fiber zibethicus* ♂ im. Length, 555; tail vert., 254; hairs, 261; hind foot, 83; head, 76; ear crown, 16; notch, 21 mm.
- 4491. *Fiber zibethicus* ♀ im. 565; 263; 270; 80; 75; 16; 20 mm.
- 4492. *Fiber zibethicus* ♀ ad. 632; 295; 313; 86; 83; 16; 21 mm.
- 4493. *Fiber zibethicus* ♀ ad. 622; 282; 289; 85; 82; 14; 20 mm.
- 4494. *Fiber zibethicus* ♂ ad. 585; 273; 282; 87; 76; 14; 20 mm.

- Second Beach, Rhode Island Id., R. I. Dec. 13, 1899.
- 4495. *Tursiops tursio*. Old. Identified by Dr. True. Flukes of a Dolphin. Second Beach.

~~4496.~~ The following-named bones seem to belong to same individual: Ten vertebrae and one rib of a Dolphin.

One (large) vertebra came from a short distance away from the remaining nine. Many were left, that could not be carried.

Greater part of skeleton without skull, finally sent. Mr. Philip Peckham says this individual was 12 ft long. Weight about 1000 lbs.

72 Conanicut Island, Rhode Island. Dec. 15, 1899.

4496. Fiber zibethicus. ♀ ad. Length, 627; tail vert., 290; tail to end of hairs, 299; tail, greatest width, 24; hind foot, 85; head, 81; ear above crown, 15; ear above notch, 21 mm.

4497. Fiber zibethicus. ♂ ad. 610; 290; 297; 23; 83; 76; 14; 20 mm.

4498. Fiber zibethicus. ♂ im. 572; 258; 265; 22; 86; 75; 14; 20 mm.

4499. Fiber zibethicus. ♀ im. 515; 230; 237; 19; 79; 70; 13; 19 mm.

4500. Fiber zibethicus. ♂ im. 507; 240; 247; 20; 75; 67; 13; 19 mm.

Fort Adams, Rhode Island. Dec. 16, 1899.

4501. Blarina brevicauda ad. Preserved in formalin. Metal tag no. 3740?

Conanicut Island, R. I. December 19, 1899.

4502. Fiber zibethicus. ♂ ad. 583; 275; 282; tail width 21; 83; 78; 17; 24 mm.

4503. Fiber zibethicus ♂ ad. 598; 293; 300; 21; 86; 77; 16; 23 mm.

Conanicut Island, R. I. December 23, 1899.

4504. Fiber zibethicus. ♂ ad. Not aged. ft black above! 595; 275; 283; 20; 84; 74; 16; 20 mm.

4505. Fiber zibethicus ♂ im. 565; 275; 282; 20; 81; 73; 16; 20 mm.

4506. Fiber zibethicus ♀ 593; 285; 292; 22; 74; 17; 21 mm.

73

4507. Fiber zibethicus. ♂ ad.

640; 300; 308; 24; 90; 80; 15; 21 mm.

4508. Fiber zibethicus. ♀ im.

580; 275; 282; 21; 83; 76; 15; 20 mm.

Fort Adams, Newport, R. I. Dec. 24, 1899.

4509. Blarina brevicauda. ♀ ad. 135; 30; 36; 16.4; 31 mm.

4510. Blarina brevicauda ♀ ad. 120; 21; 27; 15.5; 29 mm.

Conanicut Island, R. I. Dec. 27, 1899.

4511. Fiber zibethicus. ♀

580; 265; 273; 25; 85; 73; 16; 21.

4512. Fiber zibethicus. ♂

580; 270; 278; 21; 84; 73; 16; 21.

4513. Fiber zibethicus. ♂

~~590; 275; 281; 22~~ 585; 270; 276; 21; 84; 72; 15; 21.

4514. Fiber zibethicus. ♂

590; 275; 281; 22; 80; 74; 15; 21.

Fort Adams, Newport, Rhode Island.

January 23, 1900.

4515. Mephitis mephitis

Skull, damaged.

4516. Mephitis mephitis

Skull, damaged.

The above were two dead, decaying skulls found at the back part of the Grosvenor estate. Three dead skulls, in all, have been seen near Fort Adams.

Fort Adams, R. I. Jan. 23, 1900.
~~Mephitis mephitis~~ *Mephitis*. - One killed near
 Fort Adams.

Fort Adams, R. I. April 1, 1900.
 4517. *Fiber zibethicus*. ♀ ad. Golf Club
 grounds, near Ft. Adams. Length, 575;
 tail vertebrae, 253; tail to end of hairs, 258;
 hind foot, 80; head, 72 mm. tail width, 21.

Fort Adams, R. I. April 4, 1900

4518. *Fiber zibethicus* ♂ ad. Almy Pond.
 Length, 618 mm.; tail vertebrae, 272; tail to end
 of hairs, 278; tail, greatest width, 24; length of
 hind foot, 81; length of head, 78.
 4519. *Fiber zibethicus*. ♀ ad. Contained 6 (4-2) small ^{portulaca} ~~portulaca~~.
 582; 240; 246; 23.5; 81; 79 mm.
 4520. *Fiber zibethicus*. ♀ ad. not pregnant.
 600; 155; 162; 22; 82; 78 mm.
 4521. *Fiber zibethicus*. ♂ immature. Almy Pond.
 525; 222; 228; 22; 78; 74 mm.

- Fort Adams, R. I. April 15, 1900
 4522. *Fiber zibethicus* ♂ ad. Almy Pond.
 590; 250; 257; 21; hind foot, 76; head, 78 mm.
 ear above crown, 15; above notch, 20 mm.
 4523. *Fiber zibethicus* ♂ ad. 587; 257;
 262; 19; 80 mm (head); hind foot, 84 mm;
 4524. *Fiber zibethicus* ear above crown,
 15; above notch, 20 mm. Almy Pond

4524. *Fiber zibethicus*. ♂ ad. Almy Pond.
 625; 287; 295; 18; 83; ⁷⁹15; 20 mm.

4525. *Fiber zibethicus*. ♂ ad. Almy Pond.
 570; 235; 242; 20; hind foot, 82; head, 78;
 ear crown, 15; notch, 19 mm.
 4526. *Fiber zibethicus*. ♂ ad. Almy Pond.
 582; 258; 265; tail, width, 18; hind foot, 80; head,
 75; ear crown 17; notch, 19 mm.
 4527. *Fiber zibethicus*. Almy Pond.
 590; 260; 267; 21; 82; 76; 15; 19 mm.

Phoca vitulina. - One seen in Narra-
 gansett Bay at Fort Adams, R. I.

(Almy Pond.) Fort Adams, Newport, R. I. April 19, 1900.

4528. *Fiber zibethicus*. ♀ immature.
 485; 214; 219; 17; hind foot 72; head, 70;
 ear crown, 15; ear notch, 19 mm. ^{Light Young}
 4529. *Fiber zibethicus*. ♀ ad. ^{not pregnant} 595; 270;
 276; tail width, 21; hind foot, 84; head, 79;
 ear above crown, 15; ear above notch, 23 mm.
 4530. *Fiber zibethicus*. ♀ ad. Length, 568;
 tail vert., 238; tail hairs, 245; width, 17; hind foot, 81
 head, 72; ear crown, 15; notch, 20 mm. ^{Contained}
 six (4) small ^{portulaca} ~~portulaca~~ (5-15) ^{size of hazel nut}.
 4531. *Fiber zibethicus*. ♂ ad.
 603; 235; 240; 817; 85; 75; 15; 20 mm.
 Had previously lost hind foot in trap and recovered.
 4532. *Fiber zibethicus*. ♂ ad. 600; 267;
 275; 20; 82; 79; 16; 21 mm.

April 20, 1900.

4533. Arctomys monax. ♂ ad.

Length, 535 mm.; tail vertebrae, 145;
tail to end of hairs, 200; length of hind
foot, 78; head, 95; ear above crown,
16; ear above notch, 25. Moderately
fat. Trapped in burrow under a wall,
with No. 4534, on Dutch Island, Narragansett Bay, R.I.

4534. Arctomys monax. ♀ juv.

455; 120; 175; 74; 92; 18; 26 mm.

Fort Adams, R. I.

4535. Microtus pennsylvanicus. Several
fragmentary skulls picked up beside
a marsh, April 21, 1900.4536. ~~Blarina brevicauda~~ Blarina brevicauda.Several Blarina skulls (broken) found
with No. 4535, April 21, 1900.4537. Fiber zibethicus. adult. Skull
found with No. 4535, April 21, 1900.
Hood of Great Horned Owl (Bubo virginianus).
Fort Adams, Newport, R. I. April 21, 1900.4538. Fiber zibethicus. ♂ ad. 625; 280;
287; tail width, 18; hind foot, 86;
head, 80; ear crown, 18; ear above
notch, 25. Weight $3\frac{1}{4}$ pounds. Ovoid.
Mounted for the Collection of the Newport
Natural History Society. (No. 12,018.)
Mum Pond.

Dutch Island R. I. May 4, 1900.

4539. Mus decumanus. ♀ juv.
Preserved in formalin.

Dutch Island, R. I. May 12, 1900.

4540. Mus decumanus. ♀ juv. Eyes not yet open.
Preserved in formalin.

Fort Adams, Newport, R. I. May 20, 1900.

In a swamp of soft maples and bushes,
I found a quantity of Owl pellets. 22 Of them
were examined and found to be composed
entirely of mammal bones and hair. All
were Blarina brevicauda and Microtus pennsylvanicus.
Two contained each one Blarina and one
Microtus^{skull}; one contained 2 Blarinas; three contained
one Blarina each; and all the rest contained
one or more each of Microtus. The 22 pellets
collectively contained 21 Microtus and 7 Blarinas,
a total of 28 mammal skulls.

4541. Mephitis ♀ ad.

Total length, 650 mm.; tail vertebrae, 294

Trapped at the residence of Mr. Philip
Peckham, Middletown, near Newport, R. I.,
May 27, 1900 (Killed May 29).

Skin deodorized by washing w/ a
10% Laboraque's solution.

Skin and skull preserved.

Hanging Rock, Middletown, R. I. June 2, 1900

4542. Peromyscus leucopus norrbomacensis. ♂ ad.

Length, 163 mm.; tail vert., 70; hairs, 74; hind
foot, 20.7; head, 30; ear crown, 12; ear notch, 15.

Caught in a rotten tree trunk beside a stream.

4543. *Blarina brevicauda*. ♂ ad. Ft. Adams,
R. I. June 8, 1900. In formalin.

4544. *Phocaena phocaena* (Linnaeus). Harbor
Porpoise; Puffing-Pig. ♂ ad. Caught June 11,
1900, in fish traps set in the East River
near Third Beach, Middletown, R. I.
Total length, in a straight line, measured
from end of upper jaw to notch between flukes 55
inches. Total length, following dorsal curves, 58 in.
Across flukes $13\frac{1}{2}$ inches. Circumference of
smallest part of caudal peduncle, 7; length
of pectoral anteriorly, 225^{mm}; length of pectoral
posteriorly, 150^{mm}; breadth of pectoral at base, 90.
Distance between pectorals (base, below), $5\frac{1}{2}$ in.
Length of mouth, 115^{mm}; tip of maxilla to
eye, 160 (blow-hole ^{is located} directly above eye); tip of
mandible to anus, 35 inches; anus to end
of notch between flukes, 18 inches; greatest
girth of body, 35 inches. Weight estimated
by captor at 80 to 100 pounds.
Entire skeleton preserved; also piece of cuticle.
First stomach contained about two quarts
of masticated flesh and bones of the
Common Scup or Porgy (*Stenotomus*
chrysops (Linnaeus)). Second stomach empty.
Length of caudal, 125 mm.; length of pectoral,
220; greatest width of pectoral, 78 mm.; length
of dorsal, 190; height of dorsal, 120. The
following three measurements were taken

afterwards, from the roughly cleaned
skeleton and are only approximately accurate.
Length of head, 320 mm.

Tip of snout to dorsal, 670 mm.

" " " " pectoral, 310 mm.

Coloration - Bicolored, black above and
white below. The upper half of the body
and all the fins are black. The sides are
stone color or olive-gray; under surface
~~except angle~~ including lower jaw except for
a short distance in front of the angle, pure
white, dashed or shot (not marbled or mottled)
with olive-gray posterior to anus and above.

4545. *Oreomys monax*. ♀ juv. June 20,
1900. ^{Washington County} Saundertown, Rhode Island. Hair 68;
Length, 230; tail vertebrae, 51; hind
foot, 41; head, 64 mm. Saundertown, R.I.

4546. *Blarina brevicauda*. ♀ ad. Peat Pond,
Newport, Rhode Island, June 24, 1900.
L., 125; tail vert., 25; hairs, 31; hind foot,
15.5; head, 29 mm. Preserved in formalin.

4547. *Microtus pennsylvanicus*. ♂ ad. Ditto
Length, 166; tail vert., 50; tail hairs, 56;
hind foot, 22.6; head, 30 mm. ^{Formalin}

4548. *Microtus pennsylvanicus*. ♀ im.
Length, 160 mm.; tail vert., 43; hind foot,
21.6. From marsh beside Peat Pond,
Newport, R.I., June 25, 1900.
Skin and skull.

Mammals in Formalin.

4549. *Microtus pennsylvanicus*. ♂ juv.
Peat Pond, Newport, R. I. June 26, 1900.
Quite young. Preserved in formalin.
Length, 126; tail vert., 32; tail hairs, 36;
hind foot, 19; head 26 mm.
4550. *Peromyscus leucopus novboracensis*.
♂ ad. Peat Pond, Newport, R. I. July 4, 1900.
Length, 164; tail vertebrae, 71; tail to
end of hairs, 76; ear from crown, 14; ear
from notch, 17; length of head, 28;
length of hind foot, 20 mm. Caught
at the base of a cliff. Skin and skull.
4551. *Microtus pennsylvanicus*. ♀ im.
Peat Pond, Newport, Rhode Island, June 27, 1900.
Length, 154; tail vertebrae, 44; tail to end of
hairs, 50; length of hind foot, 21; head, 31 mm.
4552. *Microtus pennsylvanicus*. ♂ juv.
Peat Pond, Newport, R. I., June 27, 1900.
Length, 145; tail vertebrae, 39; hairs, 45;
hind foot, 21; head, 28 mm.
4553. *Microtus pennsylvanicus*. ♂ im.
Peat Pond, Newport R. I. June 28, 1900.
Length, 147; tail vertebrae, 45; hairs, 51;
hind foot, 22; head, 30 mm.
4554. *Microtus pennsylvanicus*. ♂ juv.
Peat Pond, Newport, R. I. June 29, 1900.
Length, 130; tail vertebrae, 34; hairs, 37;
hind foot, 18; head, 28 mm.
4555. *Peromyscus leucopus novboracensis* ♂ juv.
July 3, 1900. Peat Pond, Newport, R. I.

Mammals in Formalin.

4556. *Mus musculus*. ♀ im. Peat Pond,
Newport, R. I., July 3, 1900. Caught in marsh.
4557. *Microtus pennsylvanicus* Ord. ♀ juv.
Newport, R. I., July 7, 1900. Caught
amongst very tall sedges in a swamp on
the highest ground; near the King house.
4558. *Peromyscus leucopus novboracensis*. ♂ ad.
Peat Pond, Newport R. I., July 8, 1900.
4559. *Mus musculus*. ♂ ad. Fort Adams, R. I.
4560. *Microtus pennsylvanicus*. ♂ juv.
Fort Adams, R. I. July 17, 1900. In formalin.
4561. *Microtus pennsylvanicus*. ♀ juv.
Fort Adams, R. I. July 18, 1900. In formalin.
4563. *Microtus pennsylvanicus*
Seen running in short grass near my house
at Ft. Adams, R. I., July 21, 1900; caught
and taken alive to taxidermist to be
mounted for Newport Natural History Society.
4562. *Blarina brevicauda*. ♂ ad. Ft. Adams, R. I.
July 22, 1900. Length, 124; tail vertebrae, 23;
hind foot, 15 mm. In formalin.
- ~~4563~~ *Microtus pennsylvanicus* ♀ juv.
5289 Fort Adams, R. I. July 15, 1900. Skull only.
Chepachet, Providence Co., Rhode Island.
Sept. 1, 1900.
4564. *Mus decumanus* ♂ juv.
Length, 267 mm.; tail vertebrae, 106; hind
foot, 34.

4565. *Vulpes fulvus*. Skull found in tree near trapper's house Sept. 1, 1900.

Sept. 2, 1900. Chepachet, R. I.

4566. *Mephitis mephitis*. Skull found at entrance of burrow Sept. 2, 1900.
4567. *Blarina brevicauda*. ♂ ad. Edge of Chepachet, R. I. 131; 31; hairs, 136; head, 29; hind foot, 15.5 mm.
4568. *Vulpes fulvus*. ♀ juv. Length, 1010 mm; tail vert., 385; tail hairs 450; tip of nose to eye, 69; angle of mouth, 80; occiput 157; hind foot, 155; ear above crown, 95; above notch, 85. Trapped in a sand wallow.
4569. *Mephitis mephitis*. ♀ juv. Length, 550; tail vert., 225; hind foot, 64 mm.
4570. *Erotomys gapperi* ♂ ad. Length, 149; tail vert., 42; tail hairs, 48; hind foot, 18; head, 28; ear crown, 9; ear notch, 14 mm.
4571. *Erotomys gapperi* ♀ ad. Length, 144; tail vert., 42; hairs, 48; hind foot, 18; head, 27; ear crown, 9; ear notch, 14 mm. Contained five pellets about the size of No. 4 shot.
4572. *Erotomys gapperi* ♀ juv. Second pelage just coming in. 118 mm.; 33 mm.
4573. *Erotomys gapperi* ♂ ad. 155 mm.; 47; 54; 20; 30.5; 9; 14.
4574. *Erotomys gapperi* ♂ ad. 148 mm.; 45; 51; 20; 29; 10; 15.
4575. *Vulpes fulvus* } Skulls taken from ^{near} trapper's house. Killed in 1899.
4576. " " }

Sept. 3, Chepachet, R. I.

4577. *Peromyscus leucopus novboracensis*. ♀ juv. Preserved in formalin.
4578. *Peromyscus leucopus novboracensis* ♂ ad. Preserved in formalin. Length, 177; tail vert., 84; hind foot, 20; ear crown, 13; ear notch, 16 mm.
4579. *Erotomys gapperi*. ♂ ad. 140 mm.; 42; 46; 19; 29; 9.5; 13.

Sept. 4, 1900. Chepachet, R. I.

4580. *Lasiurus borealis*. ♂ ad. Length, 105; alar expanse, 295; longest finger, 76; head, 15. Tail vert., 45.
4581. *Peromyscus leucopus novboracensis* ♂ ad. 185; 88; 93; 20.2; ear crown, 14; notch, 16. Head mutilated. Preserved in formalin.

Sept. 5, 1900. Chepachet, R. I.

4582. *Sorex fumens* Miller. ♀ ad. 120; 48; 52; head, 23.5; hind foot 13.7; ear above crown, 4 mm. Caught under roots in cedar swamp.
4583. *Erotomys gapperi* ♂ ad. 150 mm.; 42.5; 47; head, 29; hind foot, 19; ear crown, 10; ear notch, 14. Preserved in formalin. Old adult.
4584. *Erotomys gapperi* ♂ yg. ad. 141; 43; 49; 27; 20; 9; 13 mm. Preserved in formalin.
4585. *Erotomys gapperi* ♀ immature. In formalin.
4586. " " ♂ juv. "
4587. *Peromyscus leucopus novboracensis* ♀ ad. Cedar Swamp. Length, 181; tail vert., 82; hairs, 88; hind foot, 21; head, 30; ear crown, 13; ear notch, 17.5 mm. Preserved in formalin.

84 (Chepachet, R. I. Sept. 5, 1900 - Concluded.)

4588. *Peromyscus leucopus noviboracensis* ♂ ad. Culvert under road. 175; 81; 86; 20.5; 29; 13; 16.5 mm. In formalin.

4589. *Peromyscus leucopus noviboracensis* ♀ ad. 186 mm.; 88; 93.5; 20.5; 31; 13; 17. Contained large fortresses.

4590. *Peromyscus leucopus noviboracensis* ♂ ad. 175 mm.; 79; 21; 29; 13; 16.5. End of tail skinned by trap.

4591. *Tamias striatus lysteri* ♀ ad. 236 mm.; 90; 111; 34; 43; 10; 17; Mammæ, 4 pairs.

4592. *Tamias striatus lysteri* ♂ ad. 241 mm.; 97; 118; 34; 44; 10.5; 17.

4593. *Sciurus hudsonicus lognax* ♀ ad. 320 mm.; 135; 186; 49; 50; 15; 25.

4594. *Sciurus hudsonicus lognax* ♀ ad. 318 mm.; 136; 185; 49.5; 52; 14; 24.

4595. *Fiber zibethicus* ♀ ♂ ad. 600 mm.; 266; 272; 87; 79; 15; 22; tail width, 21.

4596. *Fiber zibethicus* ♂ juv. 450 mm.; 215; 77. #

Chepachet P. O., Providence Co., R. I. Sept. 6, 1900.

4597. *Blarina brevicauda* ♀ ad. L. 124; tail vert, 28; to end of hairs, 34; hind foot, 15; head, 31 mm. Bank of Chepachet River, in woods.

Chepachet, Sept. 7, 1900.

4598. *Peromyscus leucopus noviboracensis* ♀ juv. Length, 152; tail vert., 70; hind foot, 21; ear crown, 12.5

4599. *Peromyscus leucopus noviboracensis* ♀ ad. 193; 84; 91; 21; ear crown, 14; head mutilated; preserved in formalin.

4600. *Blarina brevicauda* ♀ ad. 125; 28; 35;

hind foot, 15; head, 29 mm. ^{Mutated tag No. 3714?} In formalin. 85

4601. *Blarina brevicauda* ♀ ad. 125; 30; 35; hind foot, 15; head, 29 mm.

4602. *Vulpes* } Skulls of Foxes, trapped

4603 " " } by Mr. Reubin J. Brown

4604 " " } at Chepachet, R. I., in

4605 " " } 1899.

4606 " " }

4607 " " }

4608 " " }

4609 " " }

4610 " " }

4611 " " } Chepachet, R. I. Aug. 24,

1900 Trapped by Mr. Reubin J. Brown.

4612. *Fiber zibethicus* - in Mandibles and parts of skeleton found at Chepachet, R. I., Sept. 7, 1900.

4613. *Vesperugo fuscus* ♂ ad. Sept. 7, 1900 L. 113; alar exp., 310; longest finger, 74; tail, 43; head, 21; ear crown, 11 mm.

4614. *Lanius borealis* ♂ Length, 97; alar expanse, 290; longest finger, 78; tail, 44; head, 16; ear crown, 5; in formalin, Sept. 7.

Peromyscus - Reubin J. Brown tells me that about 60-65 years ago there was a servant, Oney Brown; it was suffed with flax and preserved in the house of Oney Brown's wife, Deborah, until 25 years ago when last seen by Mrs. R. J. Brown.

4615. *Peromyscus leucopus noviboracensis* ♀ in. Chepachet, R. I. Sept. 8, 1900. Preserved in formalin. Head mutilated

86 Exeter, R. I. Sept. 8, 1900.

4616. Peromyscus leucopus novboracensis. ♂ ad.
mountained in trap. Preserved in formalin.

4617. Blarina brevicauda ♀ ad. 123; 27; 32;
hind foot, 15; 28 mm.

Fort Adams, R. I. Oct. 24, 1900.

4618. Blarina brevicauda. ♀ ad. Length, 122;
tail vertebrae, 27; head, 29; hind foot, 15.2.

Preserved in formalin.

Lake Cottage, on Lake Worden,

South Kingston, R. I. Nov. 27th, 1900.

4619. Lepus am. virginianus im. ♂. Sent to
Mr. James M. Southwick for R. P. Mus.

Melting. Made up in skin. Arnold Knowles' R.
Near head of Annaquasset River, town of South Kingston.
South Kingston, R. I. Nov. 22, 1900.

4620. Eutamias gapperi. ♂ im. 125; 35; 19 mm

4621. Microtus pennsylvanicus. ♂, 155; 72; 19 "

4622. Blarina brevicauda. ♂ ad. 124; 27; hind
36 (very long pointed!); hind foot, 14; head, 29.

4623. Microtus pennsylvanicus. ♀ im. 150; 40; 21

4624. Peromyscus leucopus? ♀ ad. Very big one!
205; 97; 102; 22; ear cr 12; 17; head, 30.5

4625. Peromyscus l. novboracensis. ♀ juv. 155; 71; 21.

4626. " " " ♂ ad. 177; 82; 87;
20.5; ear cr. 13; notch, 16; head, 30 mm.

4627. Peromyscus l. novboracensis. ♀ ad. 193; 89;
94; 20.5; ear cr. 12; notch, 17; head, 30.5 mm.

4628. P. l. novboracensis. ♂ im. 161; 74; 21 mm.

4629. P. l. novboracensis. ♀ im. 160; 69; 20.

4630. P. l. " ♀ im. 155; 71; 20.

South Kingston, R. I. Nov. 23, 1900.

4631. Eutamias gapperi ♀ ad.

148; 41; 47; 18.5; ear crown, 9; notch, 14; head, 28.5.

4632. Microtus pennsylvanicus. ♀ ad. 171; 47; 52;
hind foot, 21.5; ear crown, 8; notch, 13; head, 34.

4633. Microtus pennsylvanicus. ♀ juv. 141; 40; 21.1 mm.

4634. " " " ♀ juv. 134; 40; 20.9 "

4635. Peromyscus l. novboracensis. ♂ juv. 152; 69; 20 mm.

4636. " " " ♂ ad. 172; 82; 87; h. ft. 20
ear crown, 12.5; ear notch, 16; head, 29.

4637. Peromyscus l. novboracensis. ♀ ad. 185; 86; 91; hind
foot 21.5; ear crown, 13; notch, 16.5; head, 29.5.

4638. Putorius novboracensis ♂ ad. Sent to Mr.
James M. Southwick to be mounted for

the Museum of Natural History, Roger Williams
Park, Providence, R. I. ~~Not measured~~

4639. Eutamias gapperi ♀ ad. 123; 168; 46; 12; 22; head, 55
129; 33; 41; 18; ear cr. 9; notch, 14; head, 27.5. do (Mounted.)

4640. " " " ♀ ad. 120; 33; 40; 9; 14; 18; 27. do (Skin)

4641. Peromyscus leucopus novboracensis. ♀ ad. 169;
77; 81; 12; ear notch, 16; hind foot, 20; head, 29.

4642. Sciurus hudsonicus logeae. ♂ ad. Tail de-
fective. Hind foot, 46; ear from crown, 13; ear
from notch, 22; head, 50 mm.

4643. Lepus sylvaticus transitionalis. ♂ im.
345; 32; 53; h. f. 90; ear cr. 57; notch 53
head, 73 mm. Tail defective.

4644. Sciurus carolinensis leucotis. ♀ ad. 483; 225;
310; h. ft. 71; ear cr. 22; notch, 31; head, 68.

4645. S. e. leucotis. ♀ im. Progeny of No. 4644. Parent and
2 young shot in leaf nest. 425; 200; h. f. 69; head, 64.

4646. S. e. leucotis. ♀ im. 443; 240; 69; 64 mm.

88 South Kingston, R.I. Nov. 25, 1900.

4647. *Sorex personatus*, ♂ ad. 102; 42; 48;
h.f., 12.5; ear crown, 3.1; ear notch, 7; head, 21 mm.
4648. *Eutamias gapperi*, ♀ im. 121; 30; h.f., 18 mm.
4649. *Peromyscus l. novboracensis*, ♂ ad. 171; 79; 84;
h.f., 21; ear cr., 12; notch, 15; head, 29.5.
4650. *Peromyscus l. novboracensis*, ♂ juv. 150; 63; 20.
4651. " " " ♂ ad. 175; 79; 84.5.
20; 12; 15; 29 mm.
4652. *Sciurus hudsonicus loganx*, ♀ ad. Tail defective.
hind foot, 48; head, 51 mm.

South Kingston, R.I., Nov. 26, 1900.

4653. *Putorius novboracensis* ♂ ad. 400; 136;
154; h.f., 49; ear crown, 13; notch, 24; head, 58.5.
4654. *Eutamias gapperi*, ♀ ad. 126; 32; 39; h.f.,
19; ear crown, 9; notch, 13; head, 26 mm.
4655. *Peromyscus l. novboracensis* ♂ ad. 193; 88; 92;
h.f., 21; ear crown, 13; notch, 17; head, 30.5.
4656. *P. l. novboracensis*, ♀ im. 157; 71; 20; 28.

South Kingston, R.I. Nov. 27, 1900.

4657. *Eutamias gapperi*, ♀ 124; 35; 41; 18; 8; 12; 27.
4658. *Blarina brevicauda*, ♀ ad. 119; 25; 32; 14.5; head, 28.

South Kingston, R.I. Nov. 28, 1900.

4659. *Sorex personatus*, ♂ ad. Mounted by Leitchley
105; 46; 53; h.f., 12.6; ear cr., 3.2; ear notch, 7.1; head 19.5.
4660. *Sorex personatus*, ♀ ad. Mounted by Leitchley
97; 39; 45; h.f., 12; ear cr., 3; ear notch, 6.9; head, 20.

Lake Cottage on Lake Worden, 89
South Kingston, R.I., Nov. 28, 1900.

4661. *Peromyscus leucopus novboracensis* ♀ ad.
157; 71; 76; 20; 13; 16; 28.
4662. *Microtus pennsylvanicus*, ♀ ad.
145; 39; 45; 20; 7; 12.2; 30. Killed
in marsh hay beside Worden Pond.

Lake Worden, R.I. Dec. 2, 1900.

4663. *Fiber zibethicus* ♂ ad. John Knowles
found the foot of this individual in his
trap a few days ago, and the animal
found dead in Minst Brook to-day.
605; 280; 288; width of tail, 22; hind foot,
85; head, 76; ear crown, 15; notch, 22 mm.
4664. *Blarina brevicauda*, ♀ ad. 121; 28; 36
hind foot, 14; head, 28 mm.
4665. *Sorex personatus*, ♀ ad. 99; 40; 46; 11.8;
20.5.
4666. *Microtus pennsylvanicus*, ♀ juv. 147; 44; 22.
4667. *Peromyscus l. novboracensis*, ♀ ad. 166; 74;
79; hind foot, 21; 12; 16; 29.

The following was mailed to me from
Chepachet, R.I. by J. Irving Hall.

4668. *Peromyscus l. novboracensis* ♀ ad.
194; 85; 91; h.f., 22; 13; 16; 30.

Lake Worden, R.I. Dec. 4, 1900.

4669. *Sorex personatus* ♂ ad. 105; 43; 50; 13.1;
head, 22; ear crown, 4.5; above notch, 7.2 mm.
4670. *Sorex personatus*, ♀ ad. 100; 41; 44; hind
foot, 12; head, 20; ear crown, 4.5; notch, 7.

Lake Worden - Dec. 4, 1900 - (Concluded.)

4671. *Peromyscus l. novboracensis*. ♀ ad. 171; 78;
82; 29; 13; 17 mm.
4672. *P. l. novboracensis*. ♂ ad. 180; 83; 87;
22; 30; 11; 15.5 mm.
4673. *P. l. novboracensis*. ♀ ad. 170; 75; 80; 21;
30; 12; 15.
4674. *P. l. novboracensis*. ♂ im. 160; 73; 20.5.

Lake Worden. Dec. 5, 1900.

4675. *Sorex personatus* ♀ ad. 100; 43; 48; hind
foot, 12.3; head, 21; ear crown, 4; ear notch, 7.
4676. *Blarina brevicauda* ♀ ad. 120; 26; 30; hind
foot, 14.5; head, 27.
4677. *Microtus pennsylvanicus*. ♀ ad. 157; 40;
47; 21; 31; 8.2; 12.2.
4678. *M. penn.* ♀ ad. 167; 43; 50; 21; 32; 9; 13.
4679. *M. penn.* ♀ ad. 153; 43; 48; 20; 31; 9; 12.
4680. *Peromyscus l. novboracensis*. ♀ ad. 172; 82;
87; 21; 29; 11.6; 15;
4681. *P. l. novboracensis*. ♀ ad. 170; 73; 78; 21;
30; 12; 16.
4682. *P. l. novboracensis*. ♀ ad. 156; 67; 72;
20; 28; 11; 15.
4683. *P. l. novboracensis*. ♀ im. 160; 72; 29.
4684. *P. l. novboracensis*. ♂ im. 150; 68; 20.

Lake Worden, R.I. Dec. 6, 1900.

4685. *Sorex personatus*. ♀ ad. 98; 38; 44;
12.2; 20.5; 4.2; 6.5 mm.
4686. *Peromyscus l. novboracensis*. ♀ ad. 162; 71; 76;
21; 29; 12; 15.5 mm.

4687. *Peromyscus leucopus novboracensis*. ♂ ad. 91
171; 75; 80; 21.4; 29.5; 11.3; 15 mm.

4688. *Microtus pennsylvanicus*. ♀ ad. 153; 44; 49;
21.5; 30; 8.5; 13 mm.

4689. *Microtus pennsylvanicus*. ♀ ad. 171; 46; 52;
21; 32; 8.3; 13 mm.

4690. *Sciurus hudsonicus lognax* ♀ ad. Tail (defective?) 120;
Hind foot, 48; head, 50; ear crown, 14; notch, 22.

4691. *Sciurus hudsonicus lognax* ♀ ad. 310;
128; 175; 50; 52; 14; 22.

Lake Worden, Dec. 7, 1900.

4692. *Sciurus l. lognax*. ♂ ad. Head and
body, 185 (tail defective, with round nub on its end);
hind foot, 48; head, 51; ear crown, 15; notch 23.

4693. *Blarina brevicauda* ♀ 113; 24; 31; head, 28;
hind foot, 15.

4694. *Mus musculus* ♀ im. Caught in stone-wall.
129; tail vertebrae, 60; hind foot, 17.

4695. *Peromyscus leucopus novboracensis* ♂ ad.
169; 75; 80; 20; 28; 14; 17 mm.

4696. *P. l. novboracensis*. ♀ ad. 185; 85; 90;
20.5; 30; 11.5; 16 mm.

4697. *P. l. novboracensis*. ♀ ad. 185; 85; 90;
21; 29; 13; 16.5 mm.

4698. *P. l. novboracensis*. ♀ im. 151; 66; 20.6.

4699. *Microtus pennsylvanicus*. ♀ ad. 149; 38;
45; 21.2; 30.5; 8; 13.

4700. *Microtus pennsylvanicus*. ♀ ad. 167; 43;
58; 20.5; 31; 8; 13.

4701. *Microtus pennsylvanicus*. ♀ im. 146; 38; 44;
20; 30; 8; 12.2.

4702. *Microtus pennsylvanicus*. ♀ 145; 39; 45;
21; 30; 8; 12.5 mm.

92 4703. *Microtus pennsylvanicus*. ♀ 146; 38;
53; 21; 30; 7.5; 12 mm.

4704. *Mus domesticus* ♂ ad. 400; 190;
194; 41; 57; ear crown, 13; notch, 20 in house.

Lake Worden, R. I. Dec. 8, 1900.

4705. *Sorex personatus*. ♀ ad. 101; 43; 49;
12.6; 20.5; 4.7.

4706. *Blarina brevicauda* ♀
114; 24; 30; 14; 27.5.

4707. *Mus musculus*, ♂
161; 77; 81; 19.5; 24; 10.5; 13.

4708. *Microtus pennsylvanicus* ♂
150; 39; 45; 21; 31; 8; 12.

4709. *Microtus pennsylvanicus* ♀
146; 40; 46; 21; 30; 8; 12.

4710. *Peromyscus leucopus noveboracensis* ♂
160; 70; 74; 21; 28; 11; 15.

4711. *P. l. noveboracensis* ♂
160; 74; 78; 20.5; 29; 12 1/2.

4712. *Fiber zibethicus*. ♂ ad. 608; 286; 292;
Tail width, 23; 86; 76; 15; 23 mm.

4713. *Fiber zibethicus*, ♂ 580; 270; 278;
width, 22; 84; 75; 15; 23 mm.

Lake Worden, R. I. Dec. 9, 1900.

4714. *Sorex personatus*. ♂ ad.
106; 41; 45; 12.5; 20.5; 3.8; 6.8.

4715. *Blarina brevicauda*. ♂ ad.
121; 28; 34; 15; 28.

4716. *Lepus sylvaticus transitionalis* ♂ ad.
430; 73; 100; 100; ear crown, 73; notch, 59; head, 85 mm.

4717. *Sciurus hudsonicus logan*, ♂ ad. 33
318; 126; 174; 49; 52; 15.5; 2.3.

4718. *Microtus pennsylvanicus*. ♂
154; 38; 45; 21; 31.5; 7.5; 12.

4719. *Microtus pennsylvanicus*. ♀
158; 40; 46; 22; 32; 8; 13.

4720. *Peromyscus leucopus noveboracensis*. ♀ ad.
176; 77; 82; 20.5; 29.5; 12; 16.

4721. *P. l. noveboracensis*. ♂
163; 73; 77; 20; 28.5; 11; 15.

4722. *P. l. noveboracensis*. ♀ juv.
145; 62; 20.

4723. *P. l. noveboracensis*, ♀ im.
150; 65; 20.

4724. *P. l. noveboracensis*. ♂ ad.
182; 86; 91; 22.2; 30; 12; 16.

Lake Worden, R. I. Dec. 10, 1900.

4725. *Lepus floridanus transitionalis*. ♀ ad.
425; 70; 98; h. f., 102; ear 71; 58; h. 84 mm.

Caught in pitch pine grove in "climax" trap. Weight 2 5/8 lbs.

4726. *Sorex personatus* ♀ ad. 98; 40; 46; 12.2;
20.6; 4; 6.8 mm.

4727. *Sorex personatus* ♀ ad. 100; 42; 48; 12.6;
20.7; 4.6.9 mm.

4728. *Sciurus hudsonicus logan*. ♀ ad.
320; 138; 183; 49; 51; 14; 2.2.

4729. *Microtus pennsylvanicus* ♀ ad. 171; 49;
57; 21.5; 34; 8; 13; 20; 30; 7; 12.

4730. *Microtus pennsylvanicus*. ♀ im.
144; 39; 45; 30; 7; 12.

4731. *Peromyscus leucopus noveboracensis*.
♂ ad. 171; 76; 82; 21; 29.5; 12; 16.

94 Lake Worden, R. I., Dec. 10, 1900 — Continued.

4732. *Peromyscus leucopus novboracensis*. ♂ ad.
179; 80; 86; 21; 30; 13; 16
4733. *Peromyscus leucopus novboracensis*. ♀ ad.
175; 78; 84; 20; 29; 11; 15 mm.
4734. *Peromyscus leucopus novboracensis* ♀ ad.
177; 77; 82; 20; 28.5; 11; 15 mm.

Lake Worden, R. I., Dec. 11, 1900.

4735. *Evotomys gapperi*. ♂ ad. 138; 38; 44;
20; 28; 8; 11.5.
4736. *Peromyscus leucopus novboracensis* ♀ ad
157; 69; 73; 20.5; 27; 11; 15.
4737. *P. l. novboracensis*. ♀ ad.
173; 71; 76; 21; 28; 12; 16 mm.

Lake Worden, R. I., Dec. 12, 1900.

4738. *Sorex personatus* ♀ ad
102; 41; 47; 12.7; 22; 4; 6.8 mm.
4739. *Blarina brevicauda* ♂ ad.
25; 32; 15; 28
4740. *Mus musculus* ♂ im.
137; 60; 64; 17; 21.5; 8; 12
4741. *Onychomys leucogaster* ♀ ad.
300; 119; 172; 47; 50; 12; 21 mm.
4742. *Peromyscus leucopus novboracensis* ♀
165; 69; 74; 21; 29; 12; 17
4743. *P. l. novboracensis*. ♂ ad.
163; 74; 79; 20; 29; 12; 17.
4744. *P. l. novboracensis* ♂
157; 66; 71; 21; 29; 12; 16.

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4745. *P. l. novboracensis* ♂ ad.
168; 70; 75; 21; 30; 12; 16.
4746. *P. l. novboracensis* ♀ im.
150; 64; 21.
4747. *P. l. novboracensis* ♀ juv.
160; 69; 74; 20.5; 29; 12; 16.
4748. *P. l. novboracensis* ♂
167; 75; 80; 21; 29; 11; 15.
4749. *Evotomys gapperi*. ♀
121; 31; 36; 19; 26; 8; 12.5.

4750. *Lepus americanus virginianus*. ♂ End h. l. 680
470; 58; 93; 135; 87; 92; 75.

December 12, 1900. Shot in the Great Swamp.

4751. *Lepus americanus*. ♂ ad. End h. legs 750
Dec. 10. 485; 67; 95; 144; 90; e. cr. 96; notch 82
3½ lbs. Sent to Critchley to be mounted f. Roy Wms. Park Mus.
4752. *Lepus americanus*. ♂ ad. End hind legs, 730;
Dec. 10. 490; 60; 90; hind foot, 136; 98; 94; 80.

This and above (4751) weighed 3½ pounds apiece.

4753. *Lepus americanus*. ♀ ad. End hind legs 750
Dec. 10. 490; 55; 90; 143; head, 90; 87; 77
Weight 4 pounds.

4754. *Lepus americanus*. ♂, im. End hind legs 730
Dec. 10. 480; 60; 97; 136; 90; 89; 75.

The above four Varying Hares were secured
in the Indian Cedar Swamp, Charleston, R. I.
Three adults weighed 11 pounds, Arrowdupois.

4755. *Lepus americanus*. ♂ juv.
440; tail, 60; head, 89. Exeter,
R. I. December 10, 1900.

90 Lake Worden, R. I. Dec. 13, 1900.

4756. *Eutamias gapperi* ♂ ad. 135; 36; 44
19; 27; 8; 12.5. Sent to Ordway for mon. -
4757. *Sorex personatus* ♂ ad. 100; 40; 46; 12.6;
20.5; 4; 6.8.
4758. *Microtus pennsylvanicus* ♀ im. 137; 23; 30;
20; 28; 7; 12.
4759. *Microtus pennsylvanicus* ♀ ad. 140; 35; 42
20; 29; 8; 12.
4760. *Peromyscus leucopus novboracensis* ♂ ad.
162; 69; 74; 20.5; 28.5; 10; 15.
4761. *P. l. novboracensis* ♀ ad.
160; 70; 75; 20; 28; 11.5; 16 mm.
4762. *P. l. novboracensis* ♀ ad.
166; 72; 77; 20; 28; 12; 16 mm.
4763. *Sciurus hudsonicus logan* ♂ ad.
302; 125; 168; 50; 51; 14; 22.
4764. *Lepus sylvaticus transitionis* ♀ ad.
410; 62; 94; h. 98; head, 83; ear cr., 63; 55.

Lake Worden, R. I., Dec. 14, 1900.

4765. *Sorex personatus* ♀ ad. 97; 39; 46;
12; 14.5; 3.7; 6.6.
4766. *Putorius novboracensis* ♂ ad. 390;
135; 73; 46; 57; 12; 24.
4767. *Eutamias gapperi* ♀ ad. 147; 39; 45;
19; 29; 9; 13.
4768. *Eutamias gapperi* ♂ juv.
122; 29; 17.5 mm.
4769. *Eutamias gapperi* ♂ juv.
120; 29; 17.5 mm.

4770. *Microtus pennsylvanicus* ♀ juv. 97
142; 37; h. 20.7.
4771. *Peromyscus leucopus novboracensis* ♀
163; 73; 78; 21; 28.5; 11; 15.
4772. *P. l. novboracensis* ♀.
156; 70; 75; 21.5; 28; 11.5; 15.5.
4773. *P. l. novboracensis* ♀ ad.
181; 78; 83; 21; 29.3; 12; 16.
4774. *P. l. novboracensis* ♂ ad.
188; 77; 82; 21; 29; 12; 16.
4775. *P. l. novboracensis* ♀ ad.
160; 70; 75; 20; 28; 11.5; 15.5.
4776. *P. l. novboracensis* ♀ ad.
173; 76; 81; 21; 29.5; 11; 15.
4777. *P. l. novboracensis* ♂ ad.
175; 80; 86; 21; 28.5; 12; 16.
4778. *P. l. novboracensis* ♂ ad.
174; 81; 86; 21.5; 29.5; 12; 16.3.
4779. *P. l. novboracensis* ♀ ad.
156; 70; 75; 20; 28; 11; 15.
4780. *P. l. novboracensis* ♀ ad.
168; 75; 80; 21; 28.5; 11; 15.
4781. *P. l. novboracensis* ♀ ad.
164; 75; 80; 21; 11.5; 15.5.
4782. *P. l. novboracensis* ♂ ad.
184; 85; 90; 20; 29; 12; 16.
4783. *P. l. novboracensis* ♂ ad.
171; 78; 83; 21; 29; 12; 16.
4784. *P. l. novboracensis* ♂ ad.
170; 89; 94; 20; 28; 12; 15.
4785. *P. l. novboracensis* ♂ ad.
160; 67; 72; 20; 28; 12; 16.

98 Lake Worden R. I. Dec. 6, 1900.

4786. *Lutreola vison lutreoccephalus* ♂ ad.
Trapped by Mr. Whaley. Sent to
J. William Critchley, to be mounted
for the Natural History Museum at
Roger Williams Park, Providence.
Killed on Point Judith Salt Pond, Wash. Co. R. I.

Lake Worden R. I. Dec. 15, 1900.

4787. *Sorex personatus* ♀ ad.

95; 35; 41; 11.7; 19.3; 3.7; 6.6.

4788. *Blarina brevicauda* ♀ ad. Skull
only.

4789. *Blarina brevicauda* ♀ ad.
115; 22; 28; 14.2; 26.

4790. *Blarina brevicauda* ♀ ad.
115; 22; 30; 14; 29.

4791. *Evotomys gapperi* ♂ ad.
128; 33; 39; 18.5; 26.5; 8.5; 13.

4792. *Evotomys gapperi* ♀ ad.
130; 36; 43; 18.5; 27; 8; 12.

4793. *Peromyscus leucopus novboracensis* ♀
171; 74; 79; 21; 30; 12; 16.

4794. *P. l. novboracensis* ♂ im.
157; 70; 75; 20; 28.5; 11; 15.

4795. *P. l. novboracensis* ♀ im.
155; 70; 75; 21; 27; 11; 15.

4796. *P. l. novboracensis* ♀ ad.
170; 79; 84; 21; 29; 12; 16.

4797. *P. l. novboracensis* ♀
162; 72; 77; 19.5; 27.5; 11; 15.

The two following were snared 99

in Indian Cedar Swamp, Charleston,
R. I., December 9, 1900: —

4798. *Lepus floridanus transitionalis* ♂ ad.
395; 58; 85; 96; 79; 62; 56.

4799. *Lepus floridanus transitionalis* ♂ ad.
420; 58; 85; 97; 83; 70; 59.

The eight following were shot at
Exeter, R. I., December 10, 1900: —

4800. *Lepus sylvaticus transitionalis* ♀ ad.
448; 63; 85; 98; 80; 66; 56.

4801. *Lepus sylvaticus transitionalis* ♂ ad.
390; 59; 88; 96; 76; 70; 59.

4802. *Lepus floridanus transitionalis* ♂ ad.
410; 61; 90; 95; 78; 65; 58. (74);

4803. *Lepus floridanus transitionalis* ♂ ad.
395; 63; 90; 77; 69; 59.

4804. *Lepus floridanus transitionalis* ♂ ad.
420; 65; 98; 97; 78; 62;

4805. *Lepus floridanus transitionalis* ♂ ad.
420; 58; 84; 98; 85; 68; 57.

4806. *Lepus floridanus transitionalis* ♀ ad.
410; 65; 95; 95; 74; 65; 57.

4807. *Lepus floridanus transitionalis* ♂ ad.
395; 60; 90; 88; 80; 61; 52.

Lake Worden, R. I. Dec. 16, 1900.

4808. *Sorex personatus* ♀ ad.

95; 33; 43; 12; 20; 3.7; 6.7.

4809. *Blarina brevicauda* ♀ ad.
112; 28; 31; 14; 27 mm.

Mormoops

A Bat of the genus *Chilonycteris*, new to the United States, was collected last winter at Fort Clark, Texas.

Ask Mr. Miller to identify or describe it as new. (See note in Proc. Biolog. Soc. Wash.)

(Lake Worden, R. I., Dec. 16, 1900 - Continued)

4810. *Erotomys gapperi* ♀ im.

125; 32; 38; 18; 27; 8; 12.5.

4811. *Microtus pennsylvanicus* ♀ ad

169; 50; 56; 22.5; 33.5; 9; 13.

4812. *Microtus pennsylvanicus* ♂ ad

174; 51; 60; 22; 32; 8.5; 12.5.

4813. *Peromyscus leucopus novboracensis* ♂ ad.

174; 79; 84; 21; 30; 13; 16.

4814. *P. l. novboracensis* ♂ ad.

175; 81; 86.5; 21.3; 28.5; 12; 16.

4815. *P. l. novboracensis* ♂ ad.

170; 74; 79; 22; 30; 12; 16.

4816. *P. l. novboracensis* ♂

167; 74; 79; 21; 28; 10; 13.5.

4817. *P. l. novboracensis* ♂ ad.

174; 75; 80; 21.3; 30.5; 13; 16.

4818. *Mus musculus* ♀ im.

139; 68; 71; 16.5;

4819. *Mus musculus* ♂

160; 79; 83; 18.2; 23.5; 10; 13.5.

(Mammal notes continued on page 210.)

11831. *Regulus satrapa* ♂ ad. Lexington, Ky. Nov. 17, 1898.

11832. *Thryothorus ludovicianus* ♂ ad. do

11833. *Ampelis cedrorum* ♂ ad. no wax do

11834. *Melanerpes carolinus* ♀ ad. do

255; 438; 135; 93; 29.5; 22; 27.5 mm.

Iris cherry red.

11835. *Dryobates villosus* ♂ ad Lexington, Ky. Nov. 17, 1898.

255; 386; 119; 82; 32; 21; 22.5 mm.

11836. *Dryobates pubescens* ♀ ad. do

11837. *Spinus tristis* ♂ ad. do

11838. *Spizella pusilla* ♂ ad. do

144; 213; 67; 67; 10; 18; 17.

11839. *Melospiza fasciata* ♀ ad. do

161; 213; 65; 70; 14.5; 22.5; 21.

11840. *Parus carolinensis* ♂ ad. do Nov. 19, 1898.

11841. *Pitta carolinensis* ♂ ad. do do

11842. *Junco hiemalis* ♂ ad. do do

11843. *Tamias ludovicianus* ♂ ad. Nov. 21, 1898. Lexington

9 1/4; 13; 4; 4 3/16; 5/8; 1 1/16; 15/16.

11844. *Melanerpes carolinus* ♀ ad. do

9 3/4; 16 1/2; 5 1/16; 3 9/16; 1 1/16; 7/8; 15/16 inches.

11845. *Otocoris alpestris* 1 ex?

Lexington, Ky. Nov. 30, 1898.

11846. *Otocoris* ♂ ad.

7 1/2; 13 1/16; 4 5/16; 3 1/8. Lexington, Ky. Nov. 30, 1898.

11847. *Otocoris* ♂ ad.

Lexington, Ky., November 30, 1898.

11848. *Otocoris* ♀ ad.

Lexington, Ky. Nov. 30, 1898.

11849. *Ceuthia americana* ♂ ad.

Lexington, Ky. Nov. 30, 1898.

11850. *Melanerpes carolinus* ♂ ad. Lexington, Ky. Dec. 1/98.
 11851. *Parus bicolor* ♂ ad. do
 11852. *Dryobates pubescens* ♂ ad. do
 11853. *Melanerpes carolinus* ♀ ad. Nov. 25, 1898.
 Lexington, Ky. Length, 10; alar expanse,
 17 $\frac{3}{8}$; wing, 5 $\frac{1}{2}$; tail, 3 $\frac{7}{16}$; culmen, 1 $\frac{1}{8}$ inches.
 11854. *Scolecophagus* ♂ ad. Gray phase. Lexington, Ky.
 Dec. 5, 1898. 9 $\frac{5}{16}$; 23 $\frac{1}{2}$; 6 $\frac{3}{4}$; 3 $\frac{1}{4}$; 1 $\frac{9}{16}$; 1 $\frac{3}{8}$; 1 $\frac{3}{16}$ inches.
 11855. *Colaptes auratus* ♂ ad. Lexington, Ky. Dec.
 5, 1898. 12 $\frac{1}{2}$; 20 $\frac{1}{4}$; 6 $\frac{1}{4}$; 5 $\frac{1}{16}$; 1 $\frac{3}{8}$; 1 $\frac{3}{16}$; 1 $\frac{1}{4}$ inch.
 11856. *Merius polyglottos* ♂ ad. Augusta, Ga.
 January 1, 1899. 265; 363; 115; 137; 16.3; 34; 28.5 mm.
 11857. *Pipilo erythrophthalmus* ♀ ad. Augusta Ga. Jan 1/99.
 205; 267; 82; 97; 14; 29; 26. Iris, red.
 11858. *Cardinalis cardinalis* ♀ ad. Augusta, Ga., Jan. 1, 1899.
 217; 304; 73; 104; 17; 25; 24 mm.
 11859. *Cardinalis cardinalis* ♂ ad. Augusta, Ga., Jan. 1, 1899.
 220; 308; 75; 107; 19.5; 25; 24 mm.
 11860. *Melanerpes carolinus* ♂ ad. Augusta, Ga. Jan. 1, 1899.
 248; 428; 130; 85; 29; 23; 27.5 mm.
 11861. *Harporhynchus rufus* ♂ ad. Augusta Ga. Jan 18,
 1899. 295; 342; 105; 138; 26; 35; 31 mm.
 11862. *Merula migratoria* ♂ ad. Augusta, Ga.
 Jan. 18, 1899. 275; 420; 136; 106; 20; 24.5; 22.
 11863. *Lanius ludovicianus* ♂ ad. Augusta, Ga.
 Jan. 21, 1899. 238; 327; 103; 108; 17; 27; 23 mm.
 11864. *Lanius ludovicianus* ♀ ad. Augusta, Ga.
 Jan. 21, 1899. 227; 324; 102; 104; 16.5; 26; 22 mm.

11865. *Dryobates borealis* ♂ ad.
 224; 390; 122; 92; 22; 20; 23 mm.
 11866. *Dryobates borealis* ♀ ad.
 219; 383; 120; 87; broken; 21; 21 mm.
 11867. *Geothlypis phoebe* ♀ ad.
 174; 275; 85; 73; 14; 19; 15 mm.
 11868. *Thryothorus bewicki* ♂ ad.
 135; 182; 55; 55; 16; 18; 17.3 mm.
 11869. *Melospiza fasciata* ♂ ad.
 168; 235; 74; 74; 14; 22; 21.5 mm.
 11870. *Dendroica virens* ♂ ad.
 148; 239; 77; 61; 12; 20; 18.7 mm.
 11871. *Parus bicolor* ♀ ad. Augusta, Ga. Jan 23, 1899.
 164; 254; 80; 75; 12.2; 20; 19 mm.
 11872. *Parus bicolor* ♀ ad. do
 156; 243; 75; 69; 12; 20; 19 mm.
 11873. *Parus bicolor* ♀ ad. do
 162; 245; 77; 74; 12; 20.5; 19 mm.
 11874. *Parus bicolor* ♀ ad. do
 160; 250; 82; 75; 12; 20; 19 mm.
 11875. *Zonotrichia albicollis* ♂ im. do
 177; 242; 75; 79; 12.5; 23.5; 23 mm.
 11876. *Zonotrichia albicollis* ♂ im. do
 175; 238; 74; 75; 13; 24; 23 mm.
 11877. *Passerella iliaca* ♀ ad. do
 180; 275; 86; 81; 12.8; 23; 22 mm.

Fort Adams, Newport Rhode Island.

- 11,878. *Merganser serrator* (Linnaeus). Ed. ad.
 April 20, 1899. Length, 595; alar
 expanse, 650; wing, 250; tail, 115;
 Culmen (chord), 59; Longest feather of
 crest, 100; tarsus, 48; middle toe
 with claw, 67; Claw alone, 8.5 mm.
 Iris, light brown, this surrounded by
 a broad ring of orange-red. Bill, reddish;
 mandible and commissural border of
 maxilla, orange-red; residue dusky red.
 Feet orange-red; webs dusky; nails
 yellowish brown.

The following-named species of birds
 have been seen here since I arrived, on
 February 20th, 1899:

1. *Colymbus holboellii* (Reinh.). - I found
 a recently dead one on the ocean beach
 May 2, 1899. Several ^{longtime} dead birds on beach in May.
2. *Colymbus auritus* Linn. - One was
 shot February 19, by Doctor Newgarden.
 A great many were here during February
 and March. In breeding dress in May.
3. *Urinator imber* (Gunn.). - Loons were
 common from February to April, 1899.
4. *Larus marinus* Linn. - Several seen
 February 20, 1899. None since.
5. *Larus argentatus smithsonianus* Coues.
 Abundant during February and March;

- disappeared in April. Flocks May 6th.
6. *Larus delawarensis* Ord. - Appeared
 in April. The Gulls were not observed
 a very closely, and doubtless other species
 may have been seen; and the present may
 have been wrongly identified, as small
 size was the principle difference from
 the American Herring Gulls noted.
 7. *Phalacrocorax dilophus* (Swainson).
 A species of Cormorant called "Shag"
 and "Hogge Gofse" ^{field Clarke} was abundant on Narragansett Bay,
 roosting on rocky reefs near Wickford
 in great numbers. Many were seen there
 April 25th. Seen May 4th.
 8. *Merganser americanus* (Cass.). - Common
 from Febr. 20 to April 25th, on Narragansett.
 9. *Merganser serrator* (Linn.). - Abundant.
 Many that have been killed and thrown
 away wash ashore. Several of both sexes,
 recently killed, were seen on the beach May 2.
 10. *Anas obscura* Imel. - Many Black Ducks
 frequent a fresh-water pond on the mainland
 west of Dutch Island.
 11. *Aythya marila nearctica* Stejn. - Common
 on Narragansett Bay Febr. 20 to May 1.
 12. *Clangula clangula americana* Bonap. -
 Common during February and March.
 13. *Charitonetta albeola* (Linn.). - Several
 pairs seen in April. Common on Narragan-
 -sett Bay in February and March.

14. *Clangula hyemalis* (Linn.). - Old-squaws were abundant throughout February, March and April, 1899. Seen in small flocks May 4.
15. *Tomateria dresseri* Sharpe. - A few years ago thousands of these ducks frequented Narragansett Bay in winter. I have seen none of them.
16. *Oidemia americana* Swains. - The Black Scoter was abundant on the Bay during April. All three Scoters were seen April 17, 1899.
17. *Oidemia deglandi* Bonap. - Abundant from February 20 to April 25, 1899.
18. *Oidemia perspicillata*. - Abundant on Bay and Ocean during April. Still plentiful April 25th.
19. *Branta canadensis* (Linn.). - Flocks heard at night. Dates not recorded.
20. *Nycticorax nycticorax naevius* (Bodd.). - Heard flying and quawking overhead April 26, 1899, at night. Heard May 26th.
21. *Actitis macularia* (Linn.). - First pair seen May 2, 1899. Breeds commonly.
22. *Colinus virginianus* (Linn.). One flock wintered. Heard calling "Bob-white" May 2.
23. *Circus hudsonius* (Linn.). One seen
24. *Falco sparverius* Linn. - One seen
25. *Perisoreus inornatus* (Linn.). Common First seen

- April. Hovers a very long time in one spot. When it catches a fish it flies to a perch and ducks its head downwards in the act of deglutition. Seen May 26th.
26. *Colaptes auratus* (Linn.). - Common during April. None seen during last days of month.
 27. *Empidonax minimus* Baird. - First seen and heard (one) May 1, 1899.
 28. *Otocoris alpestris* (Linn.). - Horned Larks were often seen on the lawns at Fort Adams during February and March, but none were shot and subspecifically identified.
 29. *Corvus americanus* Aud. - Common from Febr. 20 to May 2. Frequents the shores. No Fish Crows present. Breeding birds May 27.
 30. *Molothrus ater* (Bodd.). - Several seen May 1 to 3. Abundant May 27th.
 31. *Agelaius phoeniceus* (Linn.). - First seen. Abundant late in April. and early May. Abundant, breeding May 27.
 32. *Sturnella magna* (Linn.). - Seen occasionally during February and March. Common and singing during April. Breeding May 27. Digging daily.
 33. *Geothlypis trichas* (Sw.). - First seen. Abundant soon after.
 34. *Quiscalus quiscula*. Abundant in April & early May. Breeding May 27th. Abundant.
 35. *Ammodramus princeps* (Mayn.). Has been taken behind beach sandhills near Newport. I have not seen any.

36. *Ammodramus* ^{*Dorhamia*} *savannarum passerinus* (Wils.)
First seen and heard singing April 22, 1899.
Common, heard May 4th. Breeding May 27.
37. *Spizella monticola* (Gmel.). Common,
seen in February and March.
38. *Spizella socialis* (Wils.). - First seen
(one singing) April 26, 1899. Common May 1st.
39. *Junco hyemalis* (Linn.). ^{One seen May 7th.} Febr. 20 to May 2.
40. *Melospiza melodia*. - First seen
Rather common May 1st.
48. *Tachycineta bicolor* (Vieill.). First seen (one)
April 18, 1899. Pair seen May 26.
42. *Chiroicola riparia* (Linn.). - First seen (one)
Not seen lately (May 27).
43. *Chelidon erythrogaster* (Bodd.). - In flocks
~~May~~ April 26, when first seen. Abundant
and breeding May 27.
44. *Merula migratoria* (Linn.). - First seen
Breeds in conifers around C.O.'s
house at Ft. Adams. Singing in April. Abun-
-dant last half of April & early May.
^{First young seen flying May 26.}
45. *Sialia sialis* (Linn.). - First heard
singing.
46. *Dendroica striata*. - Both sexes
common May 26, 1899.
47. *Dolichonyx orizivorus*. - Abundant,
singing May 26. Date of arrival not noted.
48. *Tachycineta bicolor*. - A pair in an
old orchard often perched on a stone wall May 26th.
First seen (one) April 18, 1899.

- 11,879. *Dendroica striata* F. ad. May 26, 1899.
Iris, grayish brown. Bill with maxilla
brownish black, mandible yellow at base
and glaucous-black at tip. Feet yellow.
140; 223; 72; 54; 10.8; 20; 15mm.
- 11,880. *Melospiza fasciata* ♀ ad. May 26, 1899.
165; 215; 67; 70; 12.6; 22; 20.5mm.
A breeding bird, that had oviposited.
49. *Sterna bergii* Linnæus. - Terns
probably this species in flock May 10.
Frequently seen and heard to date (May 27).
^{Spills common June 12.}
50. *Ardea herodias* Linn. - One seen
May 4, 1899. Flying across Narragansett Bay.
51. *Colaptes pelagicus* (Linn.). - Arrived in
May. One seen May 26th. First arrival not
noted, but date unusually late.
52. *Tyrannus tyrannus*. - First seen May 17.
Still present, probably breeding, May 27th.
53. *Dendroica aestiva*. - First seen May 17.
Singing. Abundant May 27. Breeds.
54. *Icterus galbula*. - First seen May 17.
Breeds. Common May 27.
55. *Carpodacus purpureus*. - Three seen in
clay at Post, May 17.
56. *Pooecetes gramineus*. - Singing May 7.
One seen May 17.
57. *Geothlypis trichas*. One male May 9.
^{This was the first one seen.}
21. *Actitis macularia*. - Common; breeding.
Commonly alights on board and stone fences.

58. *Galioscoptes carolinensis*. - First seen (one that staid in our yard, very tame) May 14. Building nest May 26. Note. - The above are all the birds noted at Fort Adams, R. I., from Febr. 20 to May 27, 1899. Land birds scarce.
59. *Amphisp. cedrorum*. - Small flock at Ft. Adams, May 28, 1899.

Fort Adams, Rhode Island. May 31, 1899.

- 11, 881. *Sterna hirundo*. ♂ ad. Iris dark brown. Bill vermillion, dusky at tip. Legs and feet, orange-vermillion, with claws dusky. 365; 800; 270; 148 (emargination, 61); 36.3; 22; 23 mm. Stomach contained remains of fish. Testicles enlarged.

60. *Icteria virens*. - Breeding on Rhode Island island, R. I., June 11, 1899, near Ft. Adams.

61. *Actitis macularia*. Ft. Adams, R. I. June 18, 1899. One pair had young or eggs beside a lane. One parent would fly to a board fence and by loud calls try to attract attention. It also alighted on the roof of a shed and on a stone-wall. Often it dropped down in the lane in front of us and tried to induce us to follow it by pretending to be hurt. When we returned later in the day it resorted to the same tactics. For some time it had occupied the

board fence for its favorite rostrum. III

Beside a cobblestone beach four young Spotted Sandpipers were seen, accompanied by both parents. One little fellow was not dry yet. Two were caught and put into a fish creel. The little wet one was easily taken but another ran nimbly and, when outtripped, hid among the gray cobblestones. Meanwhile the remaining two little ones had hidden securely. After the children had examined the captured young ones, they were liberated and ran after their parents. The latter were entirely devoid of fear. Before we approached the spot where they were, they were seen from a distance to circle over every passing carriage on the beach drive when it came near.

Sterna hirundo. - Many were seen fishing, and their peculiar cries were constantly heard.

Agelaius phoeniceus. - Young on wing.

Colinus reppia. - Many Bank Swallows were circling about the ocean beach and meadows.

61. *Sterna spurius*. - Breeding. Yg male ^{2d year} singing.

Tyrannus tyrannus. - Breeding.

62. *Spinus tristis*. - Flock; both sexes; singing. Meadowlarks, Bobolinks, Barn Swallows, Song Sparrows, Agelias, Crow Blackbirds, Towhees, Robins, Catbirds, Baltimore Orioles breeding.

63. *Coccyzus erythrophthalmus*. - Parent feeding young June 19, 1899. Not common.

Zonotrichia querula. - The first ^{young} crow Blackbird seen on wing was caught by Gillick June 25, 1899, when it was so wet it could not escape. Birds abundant.

11,882. *Merula migratoria* ♂ juv. August 7, 1899. Killed by striking telegraph-wire in flight. Fort Adams, Newport, R.I. In full first plumage, with a few new adult feathers coming in on back and scapulars.

August 16, 1899. Ft. Adams, R.I.
11,883. *Sterna hirundo*. ♂ juv. Young of the year. 323; 70; 223; 100; 29; 21; 22 mm.

11,884. *Arenaria interpres*. ♀ ad. Iris dark grayish brown; bill plumbeous-black. Legs and feet orange-red, joints dusky; claws plumbeous black. 246; 485; 155; 71; 24; 27; 25 mm.

11,885. *Arenaria interpres* ♀ ad. Colors of soft parts as above. 238; 467; 146; 65; 22; 27.3; 26 mm.

11,886. *Ereunetes pusillus* ♂ ad. Iris dark brown. Bill plumbeous-black; legs & feet, plumbeous. 161; 301; 98; 46; 18.6; 22; 20 mm.

11,887. *Ereunetes pusillus* ♂ ad. 157; 300; 97; 44; 18; 22; 19 mm.
(This specimen was destroyed.)

11,888. *Ereunetes pusillus* ♂ ad. 158; 300; 98; 44; 19; 21; 18 mm.

11,889. *Ereunetes pusillus* ♂ ad. 163; 308; 100; 48; 17.5; 22; 19 mm.

Ft. Adams, R.I. Sept. 2, 1899.

11,890. *Melospiza fasciata* ♀ juv. Caught in "Cyclone" mouse trap.

Ft. Adams, R.I. Oct. 15, 1899.

11,891. *Melospiza fasciata*. ♂ ad. 171; 223; 68; 77; 13; 21.8; 21 mm.

Ft. Adams, R.I. Oct. 30, 1899.

11,892. *Passer domesticus*. ♂ ad. This bird was in the clutches of a hawk (*Accipiter velox*) perched on a clothes-pole in my yard. 165; 250; 80; 65; 12.5; 18; 20 mm.

Ft. Adams, R.I. Nov. 7, 1899.

11,893. *Melospiza fasciata*. ♂ ad. 165; 225; 69; 71; cul. 12.2; 21.5; 20 mm.

11,894. *Otocoris alpestris*. ♂ ad. 198; 356; 115; 79; 13; 24; 21.5; h. cl., 14 mm.

Ft. Adams, R.I. Nov. 10, 1899.

11,895. *Passerina nivalis* (Linn.). ad. Tail gone; not measured. All rectrices and some wing-quills were just sprouting. This bird was alone on rocks, shores of Narragansett Bay. The first seen this fall. Next seen (one) Nov. 12, 1899.

Ft. Adams, Rhode Island, Sept. 27, 1899.

Zonotrichia albicollis. - Several seen; the first this fall.
Geothlypis swainsoni. - One in my garden; first this fall.

Ft. Adams, Rhode Island, Sept. 29, 1899.

Sterna hiriundo. - One about fish traps on the bay.
 Almost all pairs departed.

Ft. Adams, Rhode Island, Oct. 1, 1899.

Sturnella magna. - One.
Corvus americanus. - A pair.
Melospiza fasciata. - Several seen.
Ammodramus caudacutus. - One.
Dendroica coronata. - Hundreds of them.
Geothlypis trichas. - Two.
Circus hudsonius. - Three.
Accipiter cooperi. - One.
Larus argentatus smithsonianus. - One.
Falco sparverius carolinensis. - Pair seen.
Merula migratoria. - Several.
Colaptes auratus. - Several.
Ammodramus sandwichensis savanna. - Several.
Astragalinus tristis. - Flock.

Ft. Adams, Newport, R. I. Nov. 5, 1899.

Sturnella magna. - Flock of 20 on saltmarsh.
Dendroica coronata. - At least a dozen seen.
Colaptes auratus. - Several.
Merula migratoria. - A few.
Larus delawarensis. - Three; young and adult.
Otocoris alpestris. - Has lately become abundant.

Ft. Adams, Rhode Island, Nov. 7, 1899. 115
Spizella monticola. - First seen this fall; at least 100.
Dendroica coronata. - Several seen.

Ft. Adams, Rhode Island, Nov. 12, 1899.

Larus delawarensis. - Several seen; both young and adult.

Passerina nivalis (Linn.). One Snowflake seen in post; the second seen this autumn.

Spizella monticola. - Abundant.

Ft. Adams, Rhode Island, Nov. 15, 1899.

Larus delawarensis. - A dozen or more seen.

Falco sparverius. - One female flew from one telegraph-pole to another, at last alighting on a haystack.

Sturnella magna. - Flock of 24 on saltmarsh.

Merula migratoria. - Two flocks, aggregating perhaps 50, feeding on red juniper and staghorn sumach.

Colaptes auratus. - One seen.

Spizella monticola. - Abundant.

Ft. Adams, Rhode Island, Nov. 16, 1899.

Otocoris alpestris. - One large flock on parade.

Astragalinus tristis. - Two flying over.

Junco hyemalis. - Has become very scarce.

Larus argentatus smithsonianus. - Abundant.

Regulus satrapa. - One.

Parus atricapillus. - Several. Has been rather common lately.

Ducks are now abundant. Several were seen that I thought were Canvas-backs.

Urinator ruber. - Common; one seen dead.

Ht. Adams, Rhode Island, Nov. 21, 1899.

11,896. Halco columbarius ♀ im.

314; 653; 214; 146; cul. + cere, 19; cere,

5; cul. (chord), 14.5; tarsus, 40; mte.,

43; m. cl., 13. Stomach contained 3 feet of Passer domesticus, with bones and meat neatly picked.

Dendroica coronata. - One seen.

Colaptes auratus. - One.

Corvus americanus. - Pair; same often noted.

Spizella monticola. - Common.

Sturnella magna. - Singing.

Astragalinus tristis. - Flocks.

Otocoris alpestris. - Small flocks.

Melospiza fasciata. - One beside house.

Larus argentatus smithsonianus. - Numerous.

Haralda glacialis. - Oldsquaws abundant.

Note. - Juncos and Ring-billed Gulls not seen for several days past.

No Savannah Sparrows for a long time past.

Halco columbarius. - An immature female

has spent several days in an apple orchard except when foraging in the neighboring corral for European Sparrows.

When hungry it was alert & shy; When full of Sparrows sluggish and easily approached. A month ago Pigeon Hawks were frequently seen.

Ht. Adams, R. I. Nov. 23, 1899.

Spirus pinus. - Flock of four, the first seen.

Astragalinus tristis. - Not less than 200 in one flock, that alighted in a marsh to drink.

Ht. Adams, Rhode Island Nov. 24/99. 117

Zonotrichia albicollis. - One in thicket; it came and watched me set a trap.

Spizella monticola. - Common.

Corvus americanus. - Same pair before noted.

Colaptes auratus. - One.

Sturnella magna. - Singing.

Otocoris alpestris. - Small flocks.

Parus atricapillus. - One pair.

Note. - No juncos have been seen lately.

Ht. Adams, R. I., Nov. 25, 1899.

Merula migratoria. - Two Robins seen.

Dendroica coronata. - Several in thickets.

Sturnella magna. - Large flocks; singing.

Otocoris alpestris. - Small flock on parade.

Corvus americanus. - A pair were chasing a

Buteo borealis that was flying overhead.

Spizella monticola. - Several.

Astragalinus tristis. - One very large flock.

Parus atricapillus. - One pair.

Ht. Adams, Newport, Rhode Island. Nov. 26, 1899.

Merula migratoria. - Four seen.

Dendroica coronata. - Perhaps as many as 100 were seen to-day. In one elm-tree 9 were counted. Mostly about thickets.

Colinus virginianus. - One flock of nine, mostly females (throats yellow).

Note. - All of the other species noted yesterday, except Buteo borealis, were seen to-day; also 3 Song Sparrows.

118 (Nov. 26, 1899 - Concluded.)

Vegetation: - Though we have had several severe cold snaps the ground is open & several plants still flowering. In sheltered places even a few asters and goldenrods can be seen. May weed, Yarrow, wild carrot and turnip, evening primrose, ^{ox-eye daisy (one)}, dandelion, fall dandelion, and a species of buttercup (*Ranunculus*) are still blooming in several localities. One wild strawberry was found blooming to-day.

Insects: -

House-flies still troublesome. One small yellow butterfly seen to-day.

November 28, 1899.

Among the birds seen both yesterday and to-day were the following:

- Spizilla monticola*. - Common
- Sturnella magna*. - In flocks; singing.
- Troglodytes hiemalis*. - One Winter Wren each day.
- Melospiza fasciata*. - Several; one trapped.
- Astragalinus tristis*. - Flocks.
- Dendroica coronata*. - Few.
- Colaptes auratus*. - One each day.
- Mimus migratorius*. - Several.
- Parus atricapillus*. - Pair each day.
- Junco hyemalis*. - None seen lately.

November 29, 1899.

Spent the morning taking up traps on Rhode Island island (near Ft. Adams), and noted all of the birds seen there

(November 29 - Concluded.) 119

yesterday except the Winter Wren. Trapped one Song Sparrow.

11,897. *Melospiza fasciata* ♀ ad.

163; 214; 67; 68; cul., 12.2; tarsus, 22.3; ule., 22.

The afternoon was spent setting mammal traps (about 80) on Conanicut Island.

November 30, 1899.

This afternoon Louis and I visited our 80 traps on Conanicut Island, R. I.

Yesterday and to-day the following species ^{of land birds were} were seen on Conanicut Island:

Megascops asio. - One began to cry before dark, at 4.15 P. M.

Parus atricapillus. - Numerous in swamps, ^{the latter}

Spizilla monticola. - Common.

Melospiza fasciata. - One or two.

Dendroica coronata. - Common.

Icterus galbula. - A nest seen on the main road between the two ferries, near the centre of Conanicut Island.

Conanicut Island, R. I., Dec. 1, 1899.

11,898. *Melospiza fasciata* ♂ ad.

171; 226; 72; 76; cul., 14; tars., 22; ule., 21.

Bill large? Markings heavy!

Conanicut Island, R. I., Dec. 3, 1899.

11,899. *Melospiza fasciata* ♂ ad. {Color light. {Size small.

162; 219; 67; 70; cul., 12.5; tars., 23;

middle toe & claw, 21.5 mm. Taken in "cyclone" trap.

Notes from Ft. Adams, R. I.

Oct. 6, 1899.

Sterna hirundo. - Several adults. (These were the last ^{seen}.)

Oct. 3, 1899.

Oedemia. - First flocks of Scoters appeared on the Bay. Probably all were *Oedemia perspicillata*.

Oct. 7, 1899.

In the weedy garden I saw
Zonotrichia albicollis. - Several.
Spizella socialis. - A few.
Melospiza georgiana. - About six.
Ammodramus sandwichensis savanna. - Many.
Astragalinus tristis. - Flocks and individuals.
Pipilo erythrophthalmus. - One female.

In my back-yard were
Troglodytes aëdon. - One that has been there
 for a fortnight.

Hylocichla ustulata. - Two; very gentle and
 quiet. Preferred the oaks to maple trees.

Pipilo erythrophthalmus. - One old male.
Parula (Compsothlypis) americana. - Two;
 appeared to be very heavy from fat.

Junco hiemalis. - Several; the first
 seen since spring.

Certhia ~~fundularia~~ americana. - One on
 board fence and telegraph pole.

Phalacrocorax ~~albofrontalis~~. - Dec. 2, 1899
 five flew north over Conanicut Island
 at sundown, 4 P.M.

Under the heading "Donations to Museum,"
 Proceedings of the Newport Natural History
 Society, Document No. 3, we find:

"A wood duck (mounted) shot near Newport."

"Mr. Charles Hunter, Newport; Seagull shot
 at Easton's Beach."

"Rev. Father Poyle, Newport; Cormorant
 (^{dylophus} plumage) shot at Newport (mounted)."

Newport, R. I. (Second Beach) Dec. 13, 1899.

11900 *Uria lomvia*. ♂ ad. Found dead; not shot.

Length, 430; alar expanse, 755; wing, 200;
 tail, 58; cul. from true base, 33; cul. from
 feathers, 26; cul. from nostril, 26; height
 of bill at angle, 11; gape, 63; tip of bill to
 occiput, 100; tip of bill to eye (anterior
 canthus, 64; head of tibia to end longest
 (middle) claw, 182; tarsus, 38; middle
 toe and claw, 53; middle claw 11 mm.

Iris ^(afterwards appeared greenish; not fresh) very dark brown. Bill blue-black,
 flesh-colored on commissural border of
 maxilla at base. Feet pale, fleshy
 plumbeous; webs somewhat dusky;
 claws plumbeous-black.

11904. *Oedemia deglandi*. ♂ ad. White-winged Scoter.
 Head and foot preserved in formalin, to
 preserve colors.

Second Beach, Newport, R. I. Dec. 16, 1899.

11901. *Spizella monticola*. ♂ ad. 163; 242; 78;
 75; 10; 19; 20 mm.

Ammodramus princeps. - One or two seen
 among the sandhills, but owing to high wind,
 and wildness of the birds, none were shot.

Bubo virginianus. - A Great Horned Owl was shot on Conanicut Island November 29, 1899.

Larus marinus. - One seen by the Purser of ferryboat Conanicut, Dec. 3, 1899.

Gallinago delicata. - Two seen on a marsh on Conanicut Island, R. I. by the Purser of ferryboats "Conanicut" and "Beaver-tail" December 3, 1899. None had been seen lately.

Ft. Adams, Newport, R. I. Dec. 23, 1899.

11,902. Spizella monticola. ♂ ad.

163; 247; 80; 77; 10; 21; 20 mm.

Ft. Adams, Newport, R. I. Dec. 24, 1899.

Phalacrocorax carbo. - One seen at Agassiz Point.

Uria lomvia. - One swam and dived at the foot a cliff bordering Mr. Hutton's place (Shamrock Cliffs), in Narragansett Bay. It was so near that the black color and white commissural line distinguished it plainly from Uria troile. It remained under water a long time, on some occasions more than a minute. On rising to the surface it would shake its head and flap its little narrow wings. It was quite unsuspicious.

Ft. Adams, Newport, Rhode Island. 123
December 26, 1899.

Phalacrocorax carbo. - Several seen near Bleak House and Agassiz Point.
Uria lomvia. - Two were seen in high breakers, near shore, which flew when fired at.

Ft. Adams, R. I. Jan. 7, 1900.

Melospiza fasciata. - Still quite common.

Sturnella magna. - Flocks have been about our house daily during past week. Hard to see upon dry grass, even when looking down upon them from a window at a short distance.

Alusia tridactyla. - One seen near the fort all the morning. It was quite tame.

Fort Adams, R. I., Jan. 8, 1900.

Clangula clangula americana. - A female was examined in Newport. It had been shot in Narragansett Bay, together with numerous white-winged scoters and a snow bunting.

Note. - Received March 28, 1899, a box filled with Greater Scaup Ducks and containing, also, one female Pintail, killed on the Toms River, New Jersey.

Fort Adams, R. I. - 1899.

First Bluebird (1♂) Mar. 4, 1899.

First Rusty Grackle (1♂) March 27, 1899. (over)

Fort Adams, R. I. — 1899.

First Song Sparrows (about 10) March 15, 1899.

Otocoris alpestris. — Still abundant March 28, 1899.

Bluebirds common March 27, 1899.

First Robins (3) March 4, 1899.

Junco hiemalis. — Febr. 21 to March 27, 1899.

Red-winged and Crow Blackbirds in flocks March 20, 1899.

Crows, Herring Gulls, American and Red-breasted

Mergansers, Loons, Horned Grebes, and

Seabirds (3 species) common from my arrival

(Febr. 20, 1899) to date (March 28, 1899).

Fort Adams, R. I. Jan. 21, 1900.

Colymbus holboellii (Reinb.). — Louis found a dead Grebe on Breulon's Cove, Narragansett Bay, R. I., and brought home a foot, which measured: tarsus, 61; middle toe and claw, 73 mm. The tarsus equals the middle toe without claw.

This foot agrees with the measurement of the Crested Grebe given by Coues in the first edition of his Key. Louis has the foot in his collection.

Fort Adams, R. I. Jan. 23, 18900.

11,903. *Melospiza fasciata*. ♂ ad.

Length, 163; alar expanse, 228; wing, 68; tail, 68; culmen (chord), 12.8; tarsus, 21.5; middle toe and claw, 21 mm.

Very fat. Song Sparrows have been common, often in flocks, this winter.

Fort Adams, R. I. Febr. 17, 1900. 125

11,904. *Parus atricapillus* ad. Preserved in formalin. u.s.n.m.

Hanging Rock, Newport, R. I. April 4, 1900.

11,905. *Melospiza fasciata*. ad. Preserved in formalin.

Fort Adams, R. I. May 23, 1900.

11,906. *Dendroica striata*. ♀ ad. Preserved in formalin.

June 2, 1900.

Visited Hanging Rock, Middletown, R. I., with Louis, who recorded bird notes on 29 species, all summer residents excepting perhaps *Oedemia perspicillata* of which we found a flock of five brown birds feeding in the surf near Purgatory Rock.

11,907. *Dendroica aestiva*. ♂ ad. 138; 209; 67; 52; culmen from true base, 10.5; bill from nostril, 7.7; tarsus, 19; middle toe and claw, 16.5.

11,908. *Ammodramus sandwicensis* *parvulus* ♂ ad.

Shot on a stone fence beside the reservoir marsh at Middletown. Iris hazel. Bill dark brown on upper side of maxilla and tip of mandible; sides of maxilla at base and all but the tip of mandible, flesh color. Tarsi yellowish flesh color; toes and hind claws light brown; front claws darker brown. 150; 250; 74; 54; cul, 12; height, 6.1; width of bill, 6.1; tarsus, 22.5; middle toe and claw, 21 mm.

126 Ft. Adams, Newport, Rhode Island.

June 16, 1900.

Louis and I spent the day on the salt marshes of Middletown, R. I., bordering the East River, where we saw Common Terns, many breeding pairs of Spotted Sandpipers, and a great many Sharp-tailed and Savanna sparrows. We collected 9 adults and two young Savannah Sparrows and five adult Sharp-tails. Louis shot a young male Cowbird, flying well and larger than an adult. Several Herring gulls were flying about the fish traps on June 11, but were not seen to-day.

Specimens collected: -

11,909. *Ammodramus s. savanna*. ♂ ad. June 16, 1900

11,910. " " " ♂ ad. "

11,911. " " " ♂ ad. "

11,912. " " " ♀ ad. "

11,913. " " " ♀ ad. "

11,914. " " " ♂ ad. "

11,915. " " " ♀ ad. "

11,916. " " " ♂ ad. "

11,917. *Ammodramus caudacutus*. ♂ ad. ^{Bill 12.5 mm. in greatest diameter} "

11,918. " " " ♂ ad. "

11,919. " " " ♂ ad. "

11,920. *Melospiza fasciata*. ♂ ad. "

Measurements of all the above are given on next page.

11,921. *Ammodramus s. savanna*. ♂ juv. June 16, 1900.

11,922. *Melospiza fasciata*. ♀ juv. "

Note. - Measurements of above specimens on next page.

127 Measurements of three species of Sparrows.

Ammodramus sandwichensis savanna.

| No. | Sex and age. | Length | Alar expanse | Wing | Tail | Culmen | Bill height | Bill width | Tarsus | Middle toe and claw |
|-------|--------------|--------|--------------|------|------|--------|-------------|------------|--------|---------------------|
| 11908 | ♂ ad. | 150 | 250 | 74 | 54 | 12. | 6.1 | 6.1 | 22.5 | 21 mm. |
| 11909 | ♂ ad. | 137 | 227 | 69 | 50 | 11.4 | 6. | 5.5 | 21.5 | 19 |
| 11910 | ♂ ad. | 142 | 230 | 70 | 50 | 11.6 | 6. | 5.7 | 21. | 19.5 |
| 11911 | ♂ ad. | 140 | 228 | 70 | 52 | 11.1 | 5.9 | 6.1 | 21. | 19.5 |
| 11912 | ♀ ad. | 134 | 213 | 65 | 49 | 11. | 5.6 | 5.2 | 21. | 19. |
| 11913 | ♀ ad. | 142 | 223 | 67 | 50 | 11. | 5.9 | 5.6 | 21.4 | 21. |
| 11914 | ♂ ad. | 140 | 226 | 68 | 51 | 10.5 | 6. | 5.8 | 21.5 | 19.6 |
| 11915 | ♀ ad. | 135 | 220 | 66 | 49 | 10.5 | 5.6 | 5.1 | 21.2 | 19.5 |
| 11916 | ♂ ad. | 142 | 232 | 71 | 52 | 11.1 | 6. | 5.5 | 22. | 19.7 |
| 11921 | ♂ juv. | | | | | | | | | 1st Plumage |
| 144 | ♀ ad. | 141 | 222 | 69 | 50 | 11. | 5.5 | 5. | 21. | 19. |

Ammodramus caudacutus.

| | | | | | | | | | | |
|-------|-------|-----|-----|----|----|------|-----|-----|------|------|
| 11917 | ♂ ad. | 148 | 206 | 60 | 52 | 12.5 | 5. | 5. | 22. | 21. |
| 11918 | ♂ ad. | 148 | 205 | 60 | 53 | 13.5 | 5. | 5.1 | 22.2 | 22.5 |
| 11919 | ♂ ad. | 147 | 204 | 60 | 52 | 13.5 | 5.3 | 5.3 | 22.5 | 21.2 |
| 143 | ♂ ad. | 150 | 210 | 63 | 54 | 13.5 | 5.2 | 5.2 | 22.5 | 21. |
| 146 | ♀ ad. | 145 | 202 | 59 | 48 | 14. | 5.3 | 5.2 | 21. | 21. |

Melospiza fasciata.

| | | | | | | | | | | |
|-------|--------|-----|-----|----|----|------|-----|-----|------|----------------|
| 11920 | ♂ ad. | 164 | 225 | 70 | 66 | 14.5 | 7.8 | 7.1 | 23.5 | 23. |
| 145 | ♂ ad. | 167 | 230 | 71 | 71 | 13. | 8. | 7.5 | 22. | 21. |
| 11922 | ♀ juv. | | | | | | | | | First plumage. |

The above are all breeding birds.

11,923. *Actitis macularia*, pullus. Unable to fly. Fort Greble, Dutch Island, R. I. June 18, 1900. In formalin. Sergeant Porch took 4 young, but one died during the night and the remaining 3 were restored to their parents.

11,924. *Sterna hirsundo*. Adult. August 27, 1899. Found dead on the beach, near Fort Adams, R. I. Preserved in formalin.

11,925. *Merula migratoria* juv. Fort Adams, R. I. July 17, 1900. In formalin; metal tag No. 3637.

11,926. *Ereunetes pusillus*. - ad. Fort Adams, Newport, R. I. August 6, 1900. In formalin.

Birds of Conanicut Island, R. I.

During the fortnight ended August 9, 1900 Dr. J. A. Allen saw Chimney Swifts, Field Sparrows, Bobolinks, Chewinks, a Vireo.

August 7, 1900. I saw on Conanicut Id., 4 Cedar Birds, Kingbirds, Kingfisher, Robin, Song Sparrow, Yellowbird, Chimney Swift, Bank and Barn Swallows, Red-winged Blackbirds.

At Sandushtown and Narragansett Pier and from electric cars between, the following were seen: -

1. *Sterna hirsundo*

2. *Ardea herodias*. - One near Narragansett Pier.

3. *Buteo lineatus*. - One near Narragansett Pier.

4. *Ceryle alcyon*. - Several.

5. *Chaetura pelagica*. - "

6. *Tyrannus tyrannus*. - At least 100.

7. *Corvus americanus*. - About 15.

8. *Agelaius phoeniceus*. - Abundant

9. *Sturnella magna*. - Several.

10. *Molothrus ater*. - Many.

11. *Melospiza fasciata*. - Common.

12. *Pipilo erythrophthalmus*. - One male midway

13. *Poocetes gramineus*. - do

14. *Chelidon erythrogaster*. - Rather Common.

15. *Colicicola riparia*. - Several. Swallows in large flocks may have been this or Tree Sw.

16. *Ampelis cedrorum*. - Six.

17. *Galiopteryx carolinensis*. - Several.

18. *Merula migratoria*. - Abundant.

Plants. - In flower were bonset and a small purple *Eupatorium*, *Rudbeckia*, tall Lillies, white and pink *Spiraea*, Cardinal Flowers, Sweet Pepper-bush. Marsh mallows not quite in flower yet.

Chepachet, R. I. Sept. 3, 1900.

11,927. *Ardea herodias* ♀ juv. Destroyed.

11,928. *Totanus solitarius* ♂ juv.

11,929. *Dendroica pensylvanica* ♀ juv.

11,930. *Spizella pusilla* ♀ juv.

11,931. *Ampelis cedrorum* ♂ ad. No waxen appendages

183; 294; 95; 64; 11; 17; 21. ate wild cherries.

130 Chepachet Post Office, R. I., Sept 4, 1900

11927. *Sciurus aurocapillus* ♀ ad. Caught in a mouse trap. 152; 236; 73; 57; 12; 22; 18.

Chepachet P.O., R. I. September 7, 1900.

11932. *Totanus solitarius* ♂ ad. 207; 406; 132; 61; 28; 30; 29 mm.

11933. *Lanius phoebe*. ♀ juv. Sept. 7, 1900.

11934. *Tyrannus tyrannus* ♂ juv. do

Fort Adams, Rhode Island, Sept. 15, 1900.

11935. *Tyringites subruficollis* ♂ ad. Moderately fat. 222; 444; 144; 87; cul. 21; Tars., 33; mte., 26; mc., 4.7; head of tibia to end of claws, 106; Tibia, 58; bare part of tibia, 21.5; hind toe + claw, 7; Tip of bill to occiput 49; base of bill to occiput, 29; tip of bill to center of pupil, 35. Iris brown, bill plumbeous, dusky at tip, bare tibia & feet greenish gray, claws brownish-black. Body in formalin.

11936. *Ereunetes pusillus* (♂?) ad. Preserved in formalin.

Hanging Rock, Middletown, R. I., August 18, 1900.

11937. *Ampelis cedrorum*. ♀ ad. No waxen appendages. 181; 297; 96; 61; cul., 11; nostril, 7; Tars., 17; mte., 20 mm.

11938. *Melospiza fasciata*. ♂ ad. 167; 222; 68; 72; culmen, 14; tarsus, 22.5; middle toe and claw, 20 mm.

11939. *Melospiza fasciata*. ♀ ad. Moulting. Old feathers worn down to the shafts. 158; 215; 67; 67; culmen, 13; tarsus, 21.5; middle toe with claw, 19.7 mm.

[Bird record continued at page 14 this book.]

Reptiles.

131

1. *Dermochelys coriacea* (Vandelli). - The Trunk-back or Leather-Turtle, the largest of our Testudinata, inhabits the open sea, north to Cape Ann. It is from 6 to 8 feet in length. Several have been taken off Rhode Island, and I saw one preserved in the collection of the Historical Society at Newport.

[2. *Chrysemys picta* (Hermann). - Seen beside the Railroad in western Rhode Island; but I have not seen them as yet (May 3, 1899) on any of the islands of Rhode Island.]

[3. *Clemmys guttata* (Schneider). - Seen in western Rhode Island, (but not yet on the islands of the State.)

4. *Thamnophis saurita* (Linnaeus). - Very abundant on Dutch Island, in the west channel at entrance to Narragansett Bay. Also common on Rhode Island Island, and on Connecticut Island, in this State.

5. *Thamnophis airtalis*. - Specimen obtained at Newport, R. I., May, 26, 1899, preserved in formalin.

6. *Carphophis amoenus* (Say). Large specimen in my garden; preserved June 26, 1899.

Note. - A spotted ground snake was preserved Nov. 21, 1899, which I caught in the old stone Fort Adams. Weather cold.

132 In document No. 3, Proc. Newport Nat.

Hist. Soc. May 9, 1885, under heading
"Donations to Museum", we find:
"Back of snapping turtle (*Chelydra serpentina*),
(Bailey's Beach)."

From Dr. Solomon Drowne's Journal,
referring to a visit to Newport, R. I., June 23,
1767, p. 67: "We went up to Captain Laten's
where we got a Bowl of Punch. There was
a Turtle *Asplick* at his house the same
day. The Turtle's weight was above two
hundred pounds. There was a terrible
noise over our heads with them."

53 *Carphophis amoenus* (Say). Ground Snake.
Specimen taken at Ft. Adams, R. I. May 4, 1900, by
Lillian H. Mearns. Preserved in formalin.

3685 *Carphophis amoenus* (Say). Ground Snake.
Specimen found floating in Narragansett Bay,
R. I., May 19, 1900. It appeared to be dead
when seen floating near the south dock, but
proved to be alive and well. It lived 24
hours and was then put in formalin.

Its head was ^{observed to be} under water for 5 minutes
before I took it out of the salt water.

64 *Chrysemys picta*. Specimen caught in a small
stream near Hanging Rock, Middletown, R. I.,
June 2, 1900. Preserved in formalin No. 64 ✓

Clemmys guttata (Schneider). About a
dozen Speckled Tortoises were seen

in small streams about Hanging Rock, Middletown, R. I., June 2, 1900. 133
Three were captured alive and afterwards
liberated in a small fresh-water pond near
Fort Adams, where none have been ^{hitherto} seen before.
These measured, respectively (a) 102 by 80 mm
(shell perfectly smooth; shell accidentally, notched
behind—the largest of 6 taken); (b) 97 by 77 mm. (shell
perfectly smooth); (c) 97 by 76 (shell defective
on posterior border; both plastron + carapace
faintly sculptured).

No. 65 Three were preserved in formalin. The
largest (No. 65) was second in size of the
✓ six brought home. The shell was perfectly
smooth; spots numerous, clear and
round. 100 by 77 mm.

No. 66 . Size small. Shell (carapace) with
✓ clear yellow but sparse spots. Carapace
and plastron rather plainly sculptured.

No. 67 . Size small. Carapace very sparse,
and faintly spotted; spots blurred or
diffused. Carapace and plastron strongly
sculptured. The specimen looks a good
deal like the Wood Tortoise (*Clemmys insculpta*).

Chelydra serpentina (Linn.) Snapping
Turtles are common in all the
fresh and slightly brackish waters on
the island of Rhode Island. They are
numerous in Almy Pond and are the
Middletown marshes & ponds. Mr. Ash has
a lot of little ones from a pond north of Newport.

No. 63 *Chrysemys picta*. Size small. Taken June 6, 1900, in Lily Pond near the icehouse.

Preserved in formalin.

No. 52 *Diadophis punctatus* (Linnaeus). Ring-necked Snake. Caught in granary at Fort Adams, Newport, Rhode Island, June 15, 1900. Preserved in formalin.

No. 999 *Chrysemys picta*. Ad. Newport, R. I., June 20, 1900. Sent alive to U. S. Nat. Mus.

Chelydra serpentina. - One weighing 12 pounds was taken at Saunderstown, R. I., June 17, 1900, by soldiers of Ft. Greble.

Chelydra serpentina. - Mr. Forrest E. Buchanan saw a Snapping Turtle, June 22, 1900, in possession of a man at Kingslee's Wharf in Newport. Mr. Buchanan found another Snapping Turtle on the road near Alum Pond, about the year 1897. It weighed 12 pounds.

Chrysemys picta. Mr. B. brought me a large Painted Turtle from Newport, R. I., June 23, 1900.
 Length 154 mm.
 Width 110 "
 Height 61 "

Chrysemys guttata. - Mr. F. E. Buchanan has caught this and the Painted Turtle in Alum Pond.

No. 3792. Green Snake (large specimen). August 23, 1900. Newport, R. I.

Chepachet, Providence County, Rhode Island. 135

September 1 to 8, 1900.

On Sept. 3, I saw a Water Snake (*Tropidonotus sipedon*), measuring 1165 mm. in total length. It lay partly in two holes, with middle of body exposed, in a marshy place thickly grown with pickerel weed, arum, susneas, etc. beside the Chepachet River. This specimen contained 32 young, each about 220 mm. in length in a uterus consisting of about six parallel compartments, containing 5-6 young rolled in a ball in each compartment. The trachea, lungs, liver, kidneys and heart were dissected.

Skin of adult & the young entire preserved in formalin.

Chrysemys picta. - We saw many in Chepachet River, R. I., Sept. 1-8, 1900.

Nannemys guttatus. - Said to be abundant at Chepachet.

Chelydra serpentina. - Said to be common at Chepachet.

Listuda clausa. - Said to be uncommon at Chepachet.

Fort Adams, R. I., Oct. 18, 1900.

3705. *Cryptophaps amoenus*. Small individual, sunning itself on boardwalk on cold morning.

Fort Adams, R. I., Oct. 19, 1900.

3759. *Thamnophis sirtalis*. Kept in confinement until Nov. 20, 1900. In formalin.

Found on Lake Warden, R. I., November, 1900:

4614 *Chelydra serpentina*. Shell of adult ♀, measuring 463 X 360 mm.

4576 *Chrysemys picta*. - Part of shell.

4716 *Nannemys guttatus*. Entire shell.

Chelydra serpentina.—Mr. Lorenzo A. Knowles says that, in June, Snapping Turtles come out of Lake Worden, Rhode Island, and lay a ^{clutch} batch of about three quarts or over 40 spherical eggs in the sand about 30 yards back from the water. He has seen one that weighed 45 pounds, without its head, and a still larger one was caught by Mr. Knowles's father, James Knowles; Carapace held more than a bucket of water and was kept as a utensil for years, in the barnyard. I sent a Carapace (No. 4614) to the U. S. Natl. Museum which measured 18 inches in length. It was found in the Great Swamp.

Dermodelys coriacea.—A brother of Mr. Carder H. Whaley told me that he (the brother who has charge of a light near Point Judith) has hunted Leather Turtles off Point Judith during the past few years. Mr. Joshua Perry Clark, who was formerly in charge of the Life-Saving Station at Watch Hill, says that Leather Turtles blow like a Whale. One weighing about 500 pounds was killed by his crew of swordfishers about 20 miles east of Block Island, in August, 1894. It was harpooned by the swordfishermen.

List of Reptiles sent to the
U. S. National Museum from Rhode Island.

52. *Diadophis punctatus* (Linnæus). Fort Adams, Newport, Rhode Island. Caught in the post granary, June 15, 1900.

55. *Diadophis punctatus* (Linnæus). Fort Adams, Newport, Rhode Island, June 22, 1900.

3792. *Liopeltis vernalis* (De Kay). Newport, Rhode Island, August 23, 1900.

3610. *Liopeltis vernalis*. Dutch Island, Narragansett Bay, R.I. { Spring of 1900.

3659. " " do "

3632. " " do "

3643. " " do "

3639. " " do "

3648. " " do "

3674. " " do "

3650. " " do "

3663. " " do "

3642. " " do "

3631. " " do "

3622. " " do "

3624. " " do "

3604. " " do "

3668. " " do "

3638. " " do "

3726. " " do "

3652. " " do "

3671. " " do "

3611. " " do "

3666. " " do "

3651 *Liopeltis varialis* (L.). Dutch Island, Narragansett Bay, Rhode Island. Spring of 1900.

3670. " " do.
3656. " " do.
3616. " " do.
3664. " " do.
3629. " " do.
3697. " " do.
3600. " " do.

3780. *Thamnophis* do.
3739. " do.
3774. " do.
3781. " do.
3754. " do.
3711. " do.
3716. " do.
3734. " do.
3783. " do.
3788. " do.
3765. " do.
3796. " do.
3776. " do.
3700. " do.
3779. " do.

Newport, R. I.,

May 26, 1900.

Newport, Rhode Island, August, 1900.

Fort Adams, Newport, R. I., June 26, 1900.

Flat Pond, " " 21, "

" " " 20, "

3709. " August, "

3741. " " "

3712. *Thamnophis sirtalis* (Linn.). Newport, R. I., August, 1900.

3727. " " Conanicut Island, R. I., Sept. 18, 1900.

3737. " " Brenton's Point, Newport, R. I.,

Sept. 16, 1900.

3759. *Thamnophis sirtalis* (Linn.). Fort Adams, Newport, R. I., Kept in captivity until Nov. 20, 1900.

3692. *Carphophiops amoenus* (Say) Dutch Island, Narragansett Bay, R. I. Spring of 1900.

3649. " " do.
3679. " " do.
3653. " " do.
3695. " " do.
3673. " " do.
3606. " " do.
3645. " " do.
3618. " " do.
3667. " " do.
3630. " " do.
3655. " " do.
3665. " " do.
3626. " " do.
3683. " " do.
3647. " " do.
3675. " " do.
3672. " " do.
3688. " " do.
3619. " " do.
3607. " " do.
3669. " " do.
3658. " " do.

3603. *Carphophiops amoenus* (Say). Taken in my garden at Fort Adams, Newport, R. I., June 26, 1899.

Nov. 21, 1899, I caught it in the old stone fort, at Fort Adams, Newport, R. I.

50. *Carphophiops amoenus* (Say). Fort Adams,
Newport, R. I., June 12, 1900.
3685. *Carphophiops amoenus* (Say). Found floating in
Brenton's Cove, at Ft. Adams, Newport, R. I., May 19, 1900.
51. *Natrix fasciata sipedon* (Linn.). Peat Pond,
Newport, R. I., June 12, 1900.
3610. *Natrix fasciata sipedon* (Linn.). Newport, R. I., 1900.
3615. " " " " Newport,
R. I., July 8, 1900.
3737. *Natrix fasciata sipedon*. Brenton Point, Newport,
R. I., Sept. 16, 1900.
3785. *Natrix fasciata sipedon*. Newport, R. I., 1900.
3608. *Carphophiops amoenus* (Say). Fort Adams,
Newport, R. I., June 22, 1900.
3738. *Carphophiops amoenus* (Say). F. Newport, R. I., 1900.
3760. " " " " " "
3707. " " " " " "
- The above three (3738, 3760, and 3707) were full of eggs.
3705. *Carphophiops amoenus* (Say). Fort Adams,
Newport, R. I., Oct. 18, 1900.
3706. *Carphophiops amoenus*. Newport, R. I. summer of 1900.
- 3729 " " " (May 4?) "
- 3767 " " " " "
- 3701 Small Toad " " "
- 3753 " " " " "
- 3797 " " " " "
3722. " " " " "
3634. *Storeria* " " "

"Color brownish gray above, grayish below.
Length about 100 mm. (Continued on page 144)"

~~Fishes~~
Batrachians.

May 3/99. Fort Adams, Newport, Rhode Island.
I have not seen any Salamanders from
the day I arrived, on February 20, to
the present, May 3.

1. *Bufo americanus* Le Conte. - Very
numerous on Rhode Island Island.
Heard at present and for several weeks
past.

2. *Hyla pickeringii* (Storer). - Heard
as early as February on warm days.
Some are still piping May 3. Abundant
in swamps about Hanging Rock, Middle-
town, R. I.

Bufo americanus Le Conte. A toad was
captured on a brackish marsh in Middle-
town, R. I., June 2, 1900. Very abundant
all over Aquidneck Island.

Plethodon erythronotus (Green). Two Red-back
Salamanders were caught under stones at
Hanging Rock, Middletown, R. I., June 2, 1900.

Rana

Two species of *Rana*, a Leopard and Green
are common in fresh-water pools about
Fort Adams; and both were seen in streams
about Hanging Rock, Middletown, R. I.,
June 2, 1900.

Rana - Numerous in the Lily
Pond, June 6, 1900.

No. 3623. *Rana* ^{*pipiens*} *virescens* Kalin. Taken from the small pond beside the stone quarry, south of the Bonaparte house, June 25, 1900. Formalin.

Tropidonotus sipedon. — A Water Snake 3 ft. long was found dead May 11, 1900, beside a swamp near south end of the Island of Rhode Island. June 7 another the same size was found in the road at the same place. Both were so mutilated and decayed as to make them unfit for preservation.

No. 60. *Rana pipiens* Schreber. Peat Pond, Newport, R. I. June 25, 1900. Formalin.

No. 3730. *Rana pipiens* Schreber. Peat Pond, Sept 15, 1900. Color green and blackish above; white below becoming reddish inferior-posteriorly. The green and red colors match the foliage of the (loosestrife?) vines bordering the pond.

Nos. 363, 367, 3646. *Rana* The Great Swamp, near Worden Pond, D. Kingston, R. I., November 26, 1900.

List of Batrachians sent to the U. S. National Museum from Rhode Island.

3743. *Plethodon erythronotus* (Greene). Hanging Rock, R. I., June 2, 1900.

3747. " " " do

3749. " " " do

3708. *Bufo americanus* Leconte. Found in a brackish marsh at Middletown township, near Newport, R. I., June 2, 1900.

3660. *Rana clamitans* Latreille. Caught, 143

June 16, 1900, in a saltmarsh back of Third Beach, Middletown township, R. I.

3720. *Rana clamitans* Latreille. Hanging Rock, near Newport, R. I., June 2, 1900.

3627. *Rana* Pond near Woodland Road, Newport, R. I., Summer of 1900.

3703. *Rana pipiens* Schreber. Hanging Rock, Middletown township, R. I., June 2, 1900.

3710. *Rana pipiens* Schreber. Hanging Rock, near Newport, R. I., June 2, 1900.

60. *Rana pipiens* Schreber. Peat Pond, Newport, R. I., June 25, 1900.

3623. *Rana pipiens* Schreber. do do

3730. " " Peat Pond, Newport, R. I., Sept. 15, 1900.

3630. *Rana pipiens* Schreber. Lily Pond, Newport, R. I., June 6, 1900.

363. *Rana*

367. "

3646. "

} Great Swamp, Lake Worden, Town of South Kingston, Washington Co., R. I., Nov. 26, 1900.

A jar, filled with Reptiles and Batrachians from Cohasset, Providence Co., Rhode Island, September 1-8, 1900.

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List of Reptiles sent to the U. S.
National Museum from Rhode Island.
(Concluded from Page 140.)

4614. Cheilydra serpentina (Linnaeus). Shell measuring
463 by 360 mm. Lake Worden, Washington Co.,
R. I., November, 1900.
3684. Chrysemys picta (Hermann). Along Pond,
Newport, R. I., June 23, 1900.
63. Chrysemys picta. Lily Pond, Newport, R. I., June 6, 1900.
64. " " Small stream, near Hanging
Rock, Middletown township, R. I., June 2, 1900.
999. Chrysemys picta. Sent alive to the U. S.
Nat. Mus., June 2, 1900. Newport, R. I.
4576. Chrysemys picta. Part of shell from
Lake Worden, Washington Co., R. I., Nov., 1900.
61. Clemmys guttata (Schneider). Peat Pond,
Newport, R. I., July 4, 1900. Taken in "Cyclone" trap.
62. Clemmys guttata. Marsh beside Peat Pond,
Newport, R. I., July 3, 1900.
65. Clemmys guttata. Small stream in a
swamp at Hanging Rock, near Newport, R. I. ^{1900.} June 27
66. Clemmys guttata. do do
67. " " do do
4716. " " Shell taken at Lake
Worden, Washington Co., R. I., Nov., 1900.

Hort Snelling, Minn. Plants 147

Pasque Flower. - First seen April 4, 1903;
flowering plentifully, & April 7, 1903. Pulsatilla hirsutissima

Ranunculus

1st April 8, 1903

Urtica serrulatus. - Fl. April 8, 1903. ^{ripe} Sallow

Conglus : _____ . - Fl. April 8, 1903.

Diцентра cucullaria. - Fl. April 10, 1903.

Sanguinaria canadensis. - Fl. April 11, 1903.

Marsh Marigold or Cowslip (Caltha palustris).

Opening buds in abundance April 11, 1903.

A List of the Trees, Shrubs,
Vines and a few other Plants found
about Lake Warden, South Kingston, R.I.,
made with the assistance of Mr. Lorenzo
A. Knowles and his son, John Kenyon K.

White Oak
Red Oak
Scrub Oak
Yellow-bark Oak
Holly
Pignut Hickory
Butternut
Wild Black Cherry
Swamp Cherry (not Pin)
Pin Cherry
Beach Plum
White Birch
Black or Sweet Birch
Yellow Birch
Swamp Maple
Black Ash
White Ash
Beech
Hornbeam
Sassafras
Chestnut
Red Cedar, Savin
Swamp White Cedar
Hemlock
Pitch Pine

White Pine
Juniperus communis
Speckled Alder
Alder (*Alnus*)
Ironwood
Soapbush or Spicebush
Rhododendron
Laurel (*L. latifolia* + "3 others")
Deer Laurel; Ink Berry.
Witch-hazel.
Dogwood; "Macamoose."
Hverbush
Sumach (2 kinds)
Poison Sumach (*Rhus*)
Poison Ivy (*Rhus*)
Grape, Frost (small).
Catbrier
Black Huckleberry
Dangleberry
Pepperidge; Srag; Hornbeam
Swamp Blueberry.
Sugar Berry
2 kinds of Blackberry
Swamp (running) "
Dewberry
Partridge Berry (*Mitella repens*).
Trailing Arbutus (*Epigaea repens*).
Pyrola rotundifolia
2 kinds Prince's Pine. *Umbellata* and *maculata*
Wintergreen
Indian Pipes
? *Selaginella* (wet shores of Lake Warden).

Lycopodium lucidulum
150

" clavatum

" dendroidum

" complanatum

Sycamore or Buttonball

Sweet Bay

Wax Myrtle or Bayberry.

Talou or Tallow-tree

Devil's Walking Stick (spiny). Specimen in the
museum at Hazard Memorial Hall, Wakefield, R.I.

Yellow Willow

Black Willow.

Droping Willow

Locust

Honey Locust.

Fishes.

151

Lophius americanus. - The American Angler or Bellows-fish is commonly found cast upon the shores of Rhode Island island. On November 26, 1899, my son and I saw one at Ft. Adams measuring 4 feet in total length (including the tail). The bones and teeth are abundant in the driftage along these shores.

4478. Microgadus tomcod. Conanicut Island at Jamestown, Dec. 2, 1899. A dozen boys were engaged, with hooks, rakes and crab-nets, in pulling out "Frost Fish" that came ashore after sunset to feed upon small fishes called "White-bait" along the shore.

3077. Gadus callarias Lin. Newport, R.I. 1899.
Skull, identified by C.H. Townsend.

3078. Lophius piscatorius Linnaeus. Angler; Bellows-fish. One jaw. Newport, R.I. 1899.

3079. Lophius piscatorius Linnaeus. One jaw. Newport, R.I. 1899.

3080. Lophius piscatorius Linnaeus. One jaw. Newport, R.I. 1899. The braches are lined with these jaws of the "Angler" or "Bellows-fish."

3081. Lophius piscatorius Linnaeus. Newport, R.I. March 10, 1899. Both lower jaws, articulated. Bellows Fish.

56. *Hemitripterus asperatus americanus* (Gmelin).
Sea Raven. A specimen 290 ^{mm.} in
length, ^{exclusive of caudal} caught by Capt. Treat at Fort Adams,
Narragansett Bay, R.I. Preserved in
alcohol. formalin. May 13, 1900.

Spheroideus maculatus (Bloch & Schneider).
Puffer; Swell Toad; Blower; 'Toad Fish'. This
was commonly washed up on all the beaches
about Newport, in June, 1899 and 1900.

Lagocephalus laevigatus (Linnaeus).
Smooth Puffer.

Caught by Capt. Easterbrook,
at Price's Neck, Newport, R.I., October
27, 1900. Preserved in formalin.

Nos. 365 and 368. *Microgadus tomcod*.
Wickford Landing, Narragansett Bay,
Rhode Island, Nov. 29, 1900.

No. 3648. Bellows-fish. Jaws from beach at
Newport, R.I., December 30, 1900.

No. 3649. Ditto

" 3650. *Vomer setipinnis* (Mitchill).

See Jordan & Evermann, Fishes of North America, p.
934 pl. Taken at Newport, R.I. Sept. 20, 1901.

Fishes of Lake Worden, Washington County, Rhode Island. 153

Lake Worden, Wordens Pond, or the
Great Pond, as it has been variously
called, is the largest sheet of fresh
water in the State of Rhode Island.

This list is based chiefly
on information given me by Mr. Lorenzo
A. Knowles, proprietor of the Lake
Cottage, on the E. shore of Lake Worden near
the mouth of Mink Brook.

The lake is of very irregular
shape, its greatest diameter being about $3\frac{1}{2}$ by
 $2\frac{1}{2}$ miles.

| Name of Fish | | Maximum weight. |
|--------------------------------------|----------------|---------------------|
| 1. Pickerel | $7\frac{1}{4}$ | $5\frac{3}{4}$ lbs. |
| 2. Yellow Perch | | $2\frac{1}{2}$ " |
| 3. White Perch | | $2\frac{1}{2}$ " |
| 4. Small-mouthed Black Bass. | | $5\frac{3}{4}$ " |
| 5. Horned Pout; Catfish | | $\frac{3}{4}$ " |
| 6. Golden Shiner | | $3\frac{1}{4}$ " |
| 7. Eel | | |
| 8. Pumpkin-seed or Roach | | |
| 9. Sucker | | 3 " |
| 10. Buckeyes; Alewife; Herring | | |
| 11. Mullet | | |
| 12. Dace or Chub | | $1\frac{1}{4}$ " |
| 13. Trout | | $2\frac{1}{2}$ " |
| 14. Land-locked Salmon (introduced). | | |

154 On leaving Fort Adams, Newport, Rhode Island the following fish specimens were forwarded to the U. S. National Museum.

- 3758 *Tautoga onitis* (Linnaeus). "Tautog."
Small individual from Brenton Cove, Narragansett Bay, Rhode Island, July 18, 1900.
3752. *Tautogalabrus odesperus* (Walbaum).
Fad. Brenton Cove, July 18, 1900.
3717. Ditto. ♂ ad.
3750. " ♂ ad.
56. *Hermitripteris americanus* (Gmelin).
Narragansett Bay, at Fort Adams, Newport, R. I., May 13, 1900.
3686. *Fundulus heteroclitus macrolepidotus* (Walbaum). ♂ ad. Lily Pond, Newport, R. I., July 14, 1900. This and the following are topotypes of *Hydrargyra nigrofasciata* Le Sueur, Journ. Ac. Nat. Sci., Phila., I, 1817, p. 133.
3609. Ditto. 5 specimens from Hanging Rock, near Newport, R. I., June 16, 1900. Shot in a ditch. 2 ♂♂ and 3 ♀♀.
3661. Ditto. Two specimens (♂ ad. and ♀ ad.) Lily Pond, Newport, R. I., July 14, 1900.
- Ditto. A dozen specimens collected in stream at Golf Grounds, near Brenton Point, Newport, R. I., May 26, 1899. Full of spawn.

3636. *Meridia notata* (Mitchell). Very large ¹⁵⁵ = individual of Dotted Silversides. "Mouror" float, Newport, R. I., over largest specimen.

— Same size as above, taken with it.

3678. *Meridia notata* (Mitchell). Twenty specimens taken near South Duck Mt. Adams, R. I.,
3680. *Myoxocephalus octodecimspinosus* (Mitchell). Dorsal XIII, 16. A. 14. Scales sparsely tuberculated; spinous dorsal lower than soft dorsal; ventrals reaching to vent.
3693. *Myoxocephalus aeneus* (Mitchell). "Grubby." Found among seaweed at Ft. Adams, R. I., summer of 1899.
3676. *Prionotus carolinus* (Linnaeus). "Sea Robin." Newport, R. I., April or May, 1899.
3601. *Tautogalabrus odesperus* (Walbaum). "Cetogret."; Snapper. Size medium. Ft. Adams, Newport, R. I., autumn of 1899.
3621. Ditto. Newport, R. I., April or May, 1899.
3657. *Cyclopterus lumpus* Linnaeus. "Lumpfish." Newport, R. I., April or May, 1899.
3696. *Stenotomus chrysops* (Linnaeus). "Scup." Newport, R. I., April or May, 1899.
3718. Packet of small fishes from Fort Adams, Newport, R. I., 1899-1902.
4478. Fish from Newport, R. I.
4736. Packet of small fish from Fort Adams, Newport, R. I., 1899-1902.
3968. Ditto. Jar of fish from Chepachet, R. I., Sept., 1900. (See pages 51, 52.)

Chepachet, R. I. Sept. 1, 1900.

The following were collected by Louis J. Meams

No. 1. *Mus decumanus*. ♂ juv. Length, 165 mm.

140 tail vertebrae, 105; hind foot, 34.

No. 2. *Sciurus hudsonicus* *logan*. ♂ ad. Length, 340; tail vertebrae, 150; tail hairs, 183; hind foot, 51; head, 53; ear crown, 16; ear notch, 25 mm.No. 3. *Oryzobates villosus* ♀ ad. 153.

Length, 127; 384; 120; 84; culmen, 27; tarsus, 22; middle toe and claw, 21 mm.

No. 4. *Vireo olivaceus* ♀ juv. Iris brown, not red.

156; 260; 82; 56; culmen from frontal feathers, 10.5; tarsus, 18.5; middle toe and claw, 15 mm. 154.

No. 5. *Putorius novboracensis* ♂ juv. Length, 388; tail vert., 141; hairs, 180; hind foot, 46; head, 57; ear crown, 9.3; ear notch, 20 mm.No. 6. *Eutamias gapperi* ♂ ad. 142 mm.; 41; 47; 19; 27; 7.5; 14.No. 7. *Eutamias gapperi* ♀ ad. 150 mm.; 44; 50; 17.5; 28.5; 8; 14.5. Contained five fetuses about the size of No. 1 shot.No. 8. *Eutamias gapperi* ♂ ad. 146 mm.; 38; 44; 19; 29.5; 9; 14.5.No. 9. *Eutamias gapperi* ♀ juv. In second pelage. 128 mm.; 35; 18.5.No. 10. *Eutamias gapperi* ♀ ad. 152 mm.; 47; 53; 19; 29; 9; 13.No. 11. *Peromyscus leucopus novboracensis* ♂ juv. 140; 61; 20.5 mm. Nest sent to U.S. Nat. Mus.No. 12. *Sciurus aurocapillus* ♀ ad. 155. 150; 245; 77; 59; culmen, 12.5; tarsus, 22.5; middle toe and claw, 18.5 mm.

Chepachet, R. I. Sept. 3, 1900.

No. 13. *Dendroica striata* ♀ ad. 156.

143; 234; 78; 54; 10.3; —; 17 mm.

No. 14. *Tyrannus tyrannus* ♂ juv. 157.No. 15. *Ardea virescens* ♀ juv. 158.No. 16. *Dendroica pensylvanica* ♀ juv. 159.

Chepachet, R. I. September 4, 1900.

No. 17. *Empelis cedrorum* ♂ juv. Two albino claws.

No. 18. " " ♂ ad. With waxen off.

190; 300; 97; 68; 11; 17.5; 20 mm.

No. 19. *Contopus virens* ♂ juv.No. 20. *Totanus solitarius* ♀ One of a pair.

163. 220; 430; 140; 63; 27; 32; 30.5 mm.

No. 21. *Tamias striatus lysteri* ♂ im. 230 mm.; 88; 106; 35; 44; 13; 18.No. 22. *Sialia sialis* ♂ yg. ad. 172 mm.; 290; 100.No. 23. *Coccyzus erythrophthalmus* ♂ ad. 307 mm.;

440; 146; 170; 23; 27; 26

No. 24. *Parus atricapillus* ♂ ad. 144 mm.; 212; 69; 70; 10.3; 17; 15.No. 25. *Melospiza fasciata* ♂ ad. 165 mm.; 219; 68; 68; 13; 22.3; 21.5. Molting, changing to fall plumage.No. 26. *Vespertilio fuscus* ♀ ad. L. 122 mm.; Culmen expanded, 32.5; longest finger, 8.2; tail vertebrae, 44; ear crown, 11; ear above notch, 17; head, 23 mm.No. 27. *Blarina brevicauda* ♀ ad. 114; 23; 27; hind foot, 14; head, 27 mm.No. 28. *Fiber zibethicus* ♀ juv. Length, 490 mm.; tail vertebrae, 218; hind foot, 80.

Sept. 6, 1900.

No. 29. *Scarus hudsonicus* *lognax*. ♀ ad.

340; 155; 195; 50; 51; 14; 23 mm.

No. 30. *Scarus hudsonicus* ♀ ad. Sept. 7, 1900.
contained 31 ripe wild cherries, viz., 14 in one side and 17 in the other, 250 mm.; 93; 113; 32; 43; 10; 16.5.No. 31. *Peromyscus leucopus novboracensis* ♂ ad. 180 mm.; 81; 56; 22; 29; 13; 16.No. 32. *Sayornis phoebe* ♀ ad. Molting. Sept. 7, 1900.No. 33. *Galeoscoptes carolinensis* ♀ ad. 230 mm.; 300; 93; 104; 18.5; 30; 26.No. 34. *Spizella pusilla* ♂ ad. Molting. Sept. 7, 1900.No. 35. *Melospiza melodia*. ♀ im.
Length, 580; tail vertebrae, 250; hd. ft. 65.No. 36. *Dryobates pubescens* ♀ ad.

166; 295; 95; 65; cul., 14.7; 15; 16 mm.

No. 37. *Blarina brevicauda* ♀ ad. 124; 26; 30;

hind foot, 16; head, 28 mm.

No. 38. *Accipiter velox*. ♀ im. 340; 660; 212;

175; cul + cere together (chord), 18; culmen, 13;

tarsus, 56; 45. Iris yellow. Stomach empty.

H. Adams, R. I. Sept. 15, 1900. (Coll. w/ Louis de J. Mearns.)

173. *Dendroica palmarum hypochrysea* ♀.

133; 200; 63; 57; Culmen, 11; tars. 48.5;

Mte, 16.5.

174. *Ammodramus sandwichensis savannah*. ♀ im.

140; 220; 67; 54; cul. 11.2; tars. 20.5;

Mte. 20.

175. *Calidris arenaria*. ♂ ad. 203; 395;

128; 63; cul., 25.5; tars. 24.5; Mte, 18.

Bill & feet black, iris dark hazel.

Loaded with a thick layer of fat.

176. *Aegialitis semipalmata* ♀ - 1185; 385; 123; 57;

culmen, 12.3; tarsus, 25; middle toe + cl., 21 mm.

177. *Ereunetes pusillus* ♀ ad. 167; 319; 102; 46; cul.,

21; tarsus, 22.5; middle toe with claw, 19 mm.

178. *Ereunetes pusillus* ♂ ad. 165; 312; 100; 49; culmen,

20.5; tarsus, 22; middle toe with claw, 18.7 mm.

179. *Calidris arenaria*. ♀ ad. 202; 400; 127; 60;

culmen, 27; tarsus, 26; middle toe with claw, 18.2 mm.

Conamicut Island, R. I. Sept. 20, 1900.

Mr. Hugh Taylor, shooting over decoys on Conamicut Island, killed 2 Black-bellied Plover, 2 Wilson's Snipe, 1 Greater Yellow-legs, 1 Virginia Rail, and a female Gideon Hawk, and gave the two last to Louis de J. Mearns:

180. *Falco columbarius*. ♀ im. 330; 680; 220; 150;

cul. + cere (chord), 18; cul. (chord), 14; tars., 41; Mte, 45.

Iris, hazel; cere and feet, greenish yellow;

claws, plumbeous-black; bill, greenish gray

at base, plumbeous-black apically.

Stomach empty.

181. *Rallus virginianus* ♀ ad. 260; 370; 108; 53;

42.5; 40; 43 mm. Iris yellowish brown. Bill

dark brown above, vinaceous-cinnamon below.

Legs, feet & claws, vinaceous-cinnamon, slightly

dusky posteriorly.

Fort Adams, R. I. Oct. 7, 1900.

182. *Porzana carolina*. ♀ juv. 220; 350; 68; 56; culmen, 17; tarsus, 32; middle toe with claw, 40 mm. Killed by telegraph wire when flying by night.

Fort Adams, R. I. Oct. 11, 1900.

183. *Dendroica virens* ♀ juv. Iris hazel. Feet and claws brownish plumbeous. Bill dusky brownish above and at tip, horn color below. Shot in willows. 135; 216; 68; 53; 11; 18; 16 mm.

184. *Melospiza georgiana* ♂ ad. 153; 210; 62; 62; 12; 22; 21.5 mm.

- 11953 *Zonotrichia albicollis* 177; 246; 76; 79; 13; 24.5; 22 mm. Preserved in formalin.

185. *Sphyrapicus varius* ♀ ad. 220; 392; 125; 84; 26; 21.5; 22 mm.

Fort Adams, R. I. October 15, 1900.

186. *Ceryle alcyon*. ♀ ad. Sent me by Mr. Philip Reddham, Jr. 336; 567; 164; 102; 54; 13; 24 mm. Died in confinement October 21, 1900.

188. *Cyanocitta cristata* ♀ ad. Dec. 11, 1900. 300; 136; 430; 138; 28; 36; 30.

189. *Colinus virginianus*. ♂ ad. Lake Worden, R. I. December 21, 1900. 256; 390; 116; 76; 14; 35; 36.

190. *Plectrophenax nivalis*. ♂ ad. Lake Worden, R. I. Dec. 22, 1900. 185; 331; 113; 72; 112; 22; 21.

158. *Lepus floridanus transitionalis* ♂ ad. Lake Worden, R. I. Dec. 21, 1900. 430; 59; 88; 99; 81; 72; 59 mm. Horn slender.

159. *Lepus floridanus transitionalis*. ♀ ad. Lake Worden, R. I. Dec. 21, 1900. 435; 60; 88; 102; 85; 70; 60 mm. Horn stout.

191. *Fulica americana* ♀ ad.

Perch Cove, Salt Pond, Washington, Co., R. I., Dec. 20, 1900. 373; 637; 182; 67; 42; 56; 76; head of tibia to end of claws, 220 mm.

187. *Colinus virginianus*. ♀ ad. Lake Worden, R. I. Nov. 28, 1900. 273; 409; 122; 79; 14; 36; 41 mm.

Bird Notes, Fort Adams, Rhode Island.

Returned from Washington June 30th, ¹⁹⁰¹ and saw *Harporhynchus rufus* - singing in the big Elm. *Gavia imber*. - One seen about the fish nets off Bleak House, July 7, 1901.

Sterna hirundo. - Several to 20 seen daily. On July 17 flocks of young were seen on Seal Rock. *Nycticorax nycticorax naevius*. - One or two seen or heard almost every evening at dusk, flying from the west over the post.

Ereunetes pusillus. - About 30 seen at Brenton's Point, mostly on island rocks July 17, 1901.

Actitis macularia. - As many as 25 were seen on an island rock July 7. Abundant.

Adults have spotted breasts, young immaculate white.

Colinus virginianus. - Quite numerous began to whistle July 10th. "Bob-white." Whistling ^{July 20th} everywhere.

Megascops asio. - Two young taken in Twiston.

Syrnium nebulosum. - One young from Twiston.

Ceryle alcyon. - Two came July 15; seen daily since.

Colaptes auratus leucurus. - Young & adults seen daily.

Chaetura pelagica. - Occasionally seen; breeds.

Tyrannus tyrannus. - Seen ^{July 1st} constantly since.

Corvus americanus. - Two often seen together.

166 (Fort Adams R. I. Birds seen July 1 to 20, 1901.)

- Dolichonyx oryzivorus*. - Males singing & in black dress July 7th. Present in small bands July 20.
Agelaius phoeniceus. - Young and old abundant.
Sturnella magna. - In families. Sing daily.
Icterus spurius. - Young and old often seen. Bred.
Quiscalus quiscula. - Bred in numbers. In a swamp of maples, etc. Hundreds roost nightly.
Passer domesticus. - Abundant.
Astragalinus tristis. - Breeds. Abundant.
Poocetes gramineus. - Bred. Sings. Common.
Ammodramus sandwichensis savanna. - Breeds. Sings constantly. Abundant.
Melospiza fasciata. - Very abundant. Breeds. Sings constantly at this season.
Chelidon erythrogaster. - Breeds. Abundant. Very numerous July 20.
Clivicola riparia. - Breeds. Several seen daily.
Dendroica aestiva. - Breeds abundantly. Singing July 20.
Geothlypis trichas. - Sings. Breeds. Common.
Icteria virens. - Bred. Heard July 1 to 17.
Galeoscoptes carolinensis. - Breeds commonly.
Merula migratoria. - Very abundant. Flocks flying W. July 17 to 20 at evening. Numerous in all fields - 27 counted in one.
Sialia sialis. - Young & Old seen between Wickford & Wickford Junction June 30. None seen on this island.

Fort Adams, Newport, Rhode Island. 167

July 26, 1901.

- Merula migratoria*. - Young and adults abundant. At dusk, each evening, they are seen in large numbers flying towards the southwest corner of the island where they doubtless have a roosting place.
Galeoscoptes carolinensis. - Several.
Icteria virens. - One seen July 22, none since.
Spinus tristis. - Abundant.
Tyrannus tyrannus. - One.
Agelaius phoeniceus. - Abundant; female in separate flocks.
Quiscalus quiscula. - In flocks by the shores.
Poocetes gramineus. - Singing sweetly.
Ammodramus sandwichensis savanna. do
Melospiza fasciata. do
Sturnella magna. do
Dendroica aestiva. - Common.
Geothlypis trichas. - Several.
Ceryle alcyon. - About ten.
Colaptes auratus luteus. - Common; young & old.
Sterna hirundo. - A fishing boat touched at Seal Rock and drove all the young terns ashore. Their heads were fluffed in front, beginning to get black on under part of crown.
Nycticorax nycticorax naevius. - Continually heard at night.
Chelidon erythrogaster. - Abundant in flocks. No Bank Swallows seen.
Icterus spurius. - Common. One note of theirs suggests the call of *Totanus*.
Colinus virginianus. - Whistling.
Actitis macularia. - Abundant.

168 (Fort Adams R. I. July 26, 1901 - Concluded;)

Ereunetes pusillus. - Common; one flock of about 40.

Arenaria interpres. - One flock of 15 birds, the first.

August 15, 1901.

Turnstones (about 75), Sanderling (40),
Simpalmated Sandpipers (perhaps 200), Spotted
Sandpipers (about 20), Night Heron (1) seen.

September 13, 1901.

30 Turnstones, 200 Semipalmated Sandpipers,
and 6 Scaupalmated Plovers at Greytown's
and Harry Gulls 1 old ad. four young one. The first seen.
Dolichonyx oryzivorus. - 4 back in Cornfield.

September 14, 1901.

13 Turnstones, 50 Semipalmated Sandpipers,
and 4 Ring (Semipalmated) Plovers at Brenton's Point

The Gumbstones were feeding in the road, on the Ocean Drive. Three flew to a stone wall beside us, and fed & preened. They were tame & pretty.

1 Savanna Sparrow seen on beach.

1 Sharp-shinned Hawk. 1 Night Heron.

September 15, 1901.

1 Sharp-shinned Hawk.

Several Common Terms.

1 Vesper Sparrow.

Dec. 3, 1901. F. A. Adams, R. I.

Sturnella magna. - a pair, at 3 P.M.,
feeding in a weedy lawn outside my windows,
in a driving rain-storm.

Fort Adams, Newport, Rhode Island.

1. Homarus americanus ^(Seba) ~~Linnaeus~~. - ^{American Lobster} ~~Boys~~ marking lobster pots are seen in most parts of Narragansett Bay; and lobster catching is an important industry.
2. Callinectes sapidus Rathbun. - The common Edible Crab was often washed ashore during February, March and April, 1899.
3. Limulus polyphemus Latr. - The King Crab was not seen, nor any of its shells from February 20 to May; but on May 1, 1899, I found a large specimen recently dead washed ashore on the middle beach beyond Purgatory Rock. In June, 1899, great numbers of the "Horse-foot" were destroyed by the fishermen. Though formidable in appearance, the claws of this species are so weak that it cannot inflict any injury; and my son handled them freely.
4. Platyonichus ocellatus (Herbst). Lady Crab. - Abundant. Many individuals, some very large, were washed ashore during February, March and April. The carapace of the largest specimen preserved measures by mm.
5. Libinia canaliculata Day. Spider Crab. - This large Crab was often washed ashore from Feb to June, 1899.

6. *Platycarcinus irroratus* Say. ^{Measurements} Spotted Sand Crab. Very abundant at all times. Quantities sold in the Newport markets in June, 1899. ^{Carapace of largest measured 118 by 74 mm.}
7. *Hippa talpoida* Say. Sand-bug. Easton's Beach. May, 1899.
8. *Pagurus pollicaris* Say. Warty Hermit Crab. Found in *Fulgur canaliculata* and *Fulgur carica*, *Nevirita duplicata* and *Lunatia heros*. Very abundant in these shells.
9. *Carcinus moenas* (Linn.) (= *Cancer granulatus* Say.).

Crustaceans sent to the U. S. N. M. Jan., 1900.

444. *Callinectes sapidus* Rathbun. Newport, R. I. (Easton's Beach). 1899. Claw only. Edible Crab.
445. *Callinectes sapidus* Rathbun. Newport, R. I. 1900. Claw only.
446. *Platyonichus ocellatus* (Herbst). Lady Crab. Easton's Beach, Newport, R. I. March 10, 1899. Claw only - very large specimen.
447. *Libinia emarginata* Leach. Spider Crab. ^{Carapace 79 by 84 mm.} Large specimen; dry; entire. Easton's Beach, Newport, Rhode Island. March 10, 1899.
448. *Libinia emarginata* Leach. Beach at Fort Adams, Newport, Rhode Island. August 11, 1899. This (single claw) is the largest I have seen.
- 449-453 *Libinia emarginata* Leach. Five young Spider Crabs from the beach at Fort Adams, Rhode Island. 1899.

454. *Platycarcinus irroratus* Say. Sand Crab. Claw only; the largest seen, measuring 40 by 76 mm. Newport, Rhode Island. August 11, 1899.
455. *Platycarcinus irroratus* Say. Claw only. Large, measuring 35 by 74 mm. - the pair. Newport, Rhode Island. September 4, 1899.
456. *Platycarcinus irroratus* Say. One claw. Newport, Rhode Island. September 4, 1899.
457. *Platycarcinus irroratus* Say. Entire, dissected. Newport, Rhode Island. August 10, 1899.
458. *Platycarcinus irroratus* Say. Entire, dissected. Newport, Rhode Island. July 13, 1899.
459. *Platycarcinus irroratus* Say. Entire, dissected. Newport, Rhode Island. July 13, 1899.
460. *Platyonichus ocellatus* (Herbst). Lady Crab. Carapace from Newport, Rhode Island. 1899.
461. *Pagurus pollicaris* Say. Warty Hermit Crab. Newport, Rhode Island. May 13, 1899. In shell of *Lunatia heros*.
462. *Pagurus pollicaris* Say. Claw of a large individual from shell of *Fulgur carica*.
463. *Platycarcinus irroratus* Say. 14 Claws gathered on the beach, at Newport, R. I., in 1899.
464. *Platycarcinus irroratus* Say. A number of carapaces gathered on the beach at Newport, Rhode Island, in 1899.
465. *Homarus americanus* Seba. A collection of fragmentary specimens, gathered on the beach, at Newport, Rhode Island, in 1899.
466. *Limulus polyphemus* Latr. Entire, dissected. Fort Adams, Newport, R. I. June 16, 1899.

467. *Pagurus pollicaris* Say. One large example (tail gone) from Eastons Beach, Newport, R. I. April 4, 1900. In formalin.
468. *Pagurus pollicaris* Say. One large specimen in the shell of *Lunatia heros*. Easton's Beach, Newport, R. I. April 4, 1900. In formalin.

Note: "Miss M. J. Rathbun, Assistant Curator of the Division of Marine Invertebrates, reports that the spider-crabs which you forwarded are the young of the species *Libinia emarginata*."

Signed Geo. P. Merrill
Acting Executive Curator.

- 469 and 470. *Ipseilla empusa* Say. June 8, 1900. Found ^{in drift logs} just below Mr. Stone Bridge, at the head of East River, north end of the island of Rhode Island, town of Portsmouth. The first seen by me.
471. *Homarus americanus* (Deba) young. With above.
472. *Pagurus pollicaris* Say. Wart, Hermit Crab. Unusually large individual in shell of *Fulgur carica*. Found with Nos 469 to 471.
473. *Homarus americanus* DeKay. Common Marine Lobster - ^{trawling} adult. Caught by a fisherman on a trolling line & which many hooks were attached for cod, June 16, 1900, off the island of Rhode Island. Given me by Mr. Charles E. Ash for the U. S. National Museum.

(No. 473, *Homarus americanus* - Concluded.) 205
Length of carapace, including rostrum, along median line, 270 mm.; circumference of carapace behind second pair of legs, 493; length of abdomen to point of telson, 310; breadth of tail, 270. Large chelate limbs: right side, length of first two joints, 186; third joint, 116; fourth joint, 370; thumb, 198; circumference of third joint, 215; circumference of fourth joint, 310; length of whole limb, 525. Left side, length of first two joints, 186; 3rd. joint, 109; 4th joint, 360; thumb, 162; length of whole limb, 523; circumference of third joint, 255; circumference of fourth joint, 425; total length, 960. Length of longest antennae, 550; distance from rostrum to end of tail, 555; greatest expanse of large chelate limbs, 1025. The crushing claw was on left foot. Weight, 27 pounds!

"Mr. L. P. Gratacap has determined the species of Barnacle to be: *Chelonobia testudinatus* (Linn.); Habitat: Mediterranean, W. coast of Africa, N. E. coast of Australia, South Orkney Islands, Pacific Ocean, west coast of Mexico. Attached to Turtles."

206 Shells from Yellowstone National Park, Wyoming. Identified by Professor William H. Dall, January 12, 1903.

Limnæa palustris Müller.
Physa gyrina Say.
Planorbis lentus Say.
Pyramidula strigosa Gld.

Shells from Rhode Island, identified by Dr. Wm. H. Dall, January, 1903.

Anomia simplex Orb.
Polygyra thyroides Say.
 " albolabris Say var.
Melampus bidentatus Say.
Polygyra tridentata Say.
Spisula solidissima similis Say.
Thracia conradi Conth.
Sphaerium rhomboideum Say.
Unicula proxima Say.
Astarte castanea Say.
Aemaea testudinalis Nutt.
Pigidium abditum Hald.
Limnæa desidiosa Say.
Solermya velum Say.
Succinea obliqua Say.
Planorbis parvus Say.
Limnæa lodes Say.

207 A list of Shells collected at Circleville Ohio (Scioto River, Pickaway Co.), by Louis di Zerega Mearns

Anodonta gigantea Lea.
Sprophilus edentulus Say.
Lampsilis ligamentaria Lam.
 " parva Bar.
Quadrula undulata Bar.
 " rubiginosa Lea.
Truncilla triguetra Raf.
Obovaria leus Lea.
Campeloma subsolida Anth.

Collected by Dr. Edgar A. Mearns, on the Shenandoah River

" Unio productus Con.? " } Identified by
 " complanatus Sol. } Chas. Simpson.

See page 251.

210 Mammal Notes continued
from page 100 this volume.

Lake Warden, R.I. Dec. 17, 1900.

4820. Mus musculus. ♂.
148; 70; 74; 19; 22.7; 9.5; 13. Formalin.
4821. Mus musculus. ♂.
157; 78; 81; 19; 23.5; 10; 13. Formalin.
4822. Blarina brevicauda. ♂ ad. In formalin.
117; 24; 31; 14.5; 27.
4823. Peromyscus leucopus novboracensis. ♂ ad.
168; 78; 83; 21; 28.5; 11; 15 mm. In formalin.
4824. P. l. novboracensis. ♂ im.
158; 68; 20. Preserved in formalin.
4825. P. l. novboracensis. ♂ im.
158; 68; 20. Preserved in formalin.
4826. P. l. novboracensis. ♂ ad.
168; 75; 80; 21.5; 29; 12; 16. In formalin.

Lake Warden, R.I. Dec. 18, 1900.

4827. Peromyscus leucopus novboracensis. ♂ im.
188; 82; 88; 21; 29; 12; 16. In formalin.
4828. P. l. novboracensis. ♂ im.
Preserved in formalin.
4829. Sorex personatus. ♂ ad. In alcohol.
96; 39; 44.5; 12.5; 20; 3.8; 6.7.
4830. Sorex personatus. ♂ ad. In alcohol.
104; 41; 48; 13; 21; 4; 7.
4831. Mephitis mephitis. ♂ ad.
670; 210; 360; 68; 95; 12; 27 mm.
Skin with skull.

4832. Blarina brevicauda. ♂ ad. 4619
113; 24; 29; 14; 26;
4833. Blarina brevicauda. ♂ ad. Formalin.
117; 28; 34; 15; 28 mm.
4834. Sciurus hudsonicus loganx. ♂ ad.
Head and body, 205. Tail defective.
4835. Crotomys gapperi. ♂ ad. In formalin.
156; 33; 40; 19; 27; 8; 12.
4836. Crotomys gapperi. ♂ ad. In formalin.
127; 35; 42; 15.5; 16; 7.5; 12.
4837. Thomomys talpae. ♂ ad. Fiber zibethicus.
570; 253; 260; tail width, 23; 86; 73; 13; 22.
4838. Peromyscus (Lutreola) vison lutrecephalus. ♀.
Peace Dale reservoir, South Kingston, R.I.
475; 162; 182; 55; 67; 10; 22. nose to angle mouth 25
Diameter of eye 6. nose to eye, 27.
4839. Peromyscus (Lutreola) vison lutrecephalus. ♂ ad.
645; 218; 256; 72; 85; 11; 26; nose to eye 27.
nose to angle of mouth, 36; diameter of eye, 7.
Weight, 216.12 oz. Killed on the edge of
Salt Pond, Point Judith, R.I., Dec. 15, 1900.

Lake Warden, R.I. Dec. 19, 1900.

4840. Blarina brevicauda. ♂ ad.
126; 28; 35; 15; 28;
4841. Crotomys gapperi. ♀ ad.
128; 34; 41; 19; 26.5; 8; 12.
4842. Sciurus hudsonicus loganx. ♂ ad.
333; 138; 196; 51; 54; 13.5; 24 mm.
4843. Peromyscus leucopus novboracensis. ♀.
165; 74; 80; 21.3; 28; 12; 16.
4844. P. l. novboracensis. ♂.
162; 71; 76; 20; 29; 12; 16.

212 (Lake Warden, R.I., Dec. 19, 1900 - Concluded.)

4845. *Peromyscus leucopus novboracensis*. ♂ im.
Preserved in formalin.

4846. *Microtus pennsylvanicus*. ♀ ad.
175; 51; 57; 21; 3; 3.2; 9; 13.

4847. *Microtus pennsylvanicus*. ♀ ad.
168; 48; 54; 22.5; 8; 12.

4848. *Lepus americanus virginianus*. ♂ ad. End h. ft. 730
480; 52; 95; 138; 91; 95; 80. Head + middle line of back brown.
This and the four following were shot Dec.
19, 1900, in Gould's Neck Swamp, Charles-
town township.

4849. *Lepus a. virginianus*. ♂ ad. All white. Length
to end hind legs, 672; 20; 470; 63; 102; 135; 84; 90; 77.

4850. *Lepus a. virginianus*. ♀ ad. To end hind limbs,
795; 520; 61; 104; 142; 94; ear crown, 98; notch, 29.

4851. *Lepus a. virginianus*. ♂ ad. End hind limb
725; 500; 66; 96; 138; 92; 98; 80. Very little brown.

4852. *Lepus a. virginianus*. ♂ ad. End hind limbs 750;
490; 50; 90; 143; 91; 93; 78. Considerable brown on head + back.

4853. *Lepus floridanus transitionalis*. ♂ ad.
400; 67; 97; 89; 77; 63; 54.

4854. *L. f. transitionalis*. ♀ im. 390; 57; 85; 90;
67; 64; 53. Preserved in formalin.

4855. *L. f. transitionalis*. ♂ ad. 405; 59; 90;
93; 79; 62; 54. Preserved in formalin.
Lake Warden, R.I., Dec. 20, 1900.

4856. *Peromyscus leucopus novboracensis*. ♂ ad.
Preserved in formalin. Tail gone.

4857. *Peromyscus l. novboracensis*. ♀ im.
Preserved in formalin. Mutilated.

4858. *Peromyscus gapperi*. ♀ ad.

Preserved in formalin. Mutilated.

4859. *Peromyscus gapperi*. ♀ ad. 147; 38; 44;
20; 29; 7; 14.

4860. *Microtus pennsylvanicus*. ♀ ad. In formalin.
161; 43; 49; 21.5; 32; 7; 12.

4861. *Peromyscus leucopus novboracensis*. ♀ ad.
178; 80; 85; 20; 29; 12; 16.

4862. *Peromyscus leucopus novboracensis*. ♂ ad.
170; 79; 84; 21; 28; 12; 16.

4863. *Blarina brevicauda*. ♀ ad.
115; 22; 30; 15; 28.

4864. *Blarina brevicauda*. ♂ ad.
136; 27; 34; 16; 31.

4865. *Sciurus hudsonicus logan*. ♂ ad.
315; 117; 172; 49; 52; 14; 23.

Lake Warden, R.I., Dec. 21, 1900.

4866. *Microtus pennsylvanicus*. ♂ ad. This and the
next (No. 4867) were taken on a low, tree-
less island near the middle of Lake Warden.
178; 48; 53; 22; 33.5; 7; 14.

4867. *Microtus pennsylvanicus*. ♀ ad. Skin + skull.
162; 38; 45; 22; 32.5; 7; 11. From island, Lake Warden.

4868. *Microtus pennsylvanicus*. ♂ ad. Mainland.
In formalin. 155; 40; 46; 20; 31; 9; 12.

4869. *Microtus pennsylvanicus*. ♂ juv.
Preserved in formalin.

4870. *Neotoma mephitica*. ♂ ad. 630; 215;
365; 68; 95; 12; 27. Skin and skull.

4871. *Neotoma mephitica*. Adult + young. Skeletons
found beside burrow which had been dug out by hunters.
Skull of adult, but not of young.

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214 (Lake Worden, R. I., Dec. 21, 1900 - Concluded.)

4870. *Peromyscus gapperi* ♂ ad.

146; 40; 46; 21; 29; 8; 13.7.

4871. *Peromyscus gapperi* ♀

125; 33; 38; 18.2; 28; 8; 12.5.

4872. *Peromyscus gapperi* ♂

132; 38; 44; 19; 28; 8; 13.

4873. *Peromyscus leucopus noveboracensis* Finn.

Preserved in formalin.

4874. *Peromyscus l. noveboracensis*, ♂.

Preserved in formalin.

4875. *P. l. noveboracensis*. ♀

Preserved in formalin.

4876. *P. l. noveboracensis* ♂ ad. Skin + skull.

170; 77; 82; 20; 30; 11.5; 15.5. Light + yellowish.

4877. *P. l. noveboracensis* ♂ ad. Skin + skull.

170; 75; 80; 21; 29; 11.5; 15.5. Dark and drabish.

The following are skeletons of Mink, killed by Henry Whaley and his son Carder H. Whaley. Together they took 15 Mink between November 15 and December 20, 1900.

4878. *Putorius (Lutreola) vison lutreoccephalus* ♂ ad.

Salt Pond, Point Judith, R. I. Dec. 6, 1900.

Trapped by Mr.

Whaley.

Entire skeleton.

4879. *Putorius vison lutreoccephalus* ♂ ad.

Salt Pond Point Judith, R. I. This and

the six following were killed by Messrs.

about the Salt Pond, Point Judith, R. I., and the neighboring fresh-water ponds

Dec. 10, 1900 to Jan. 6, 1901. 215

all and all is over a year white like this.

4880. *Putorius vison lutreoccephalus* ♂ ad. See above

4881 " " " ♂ ? "

4882 " " " " "

4883 " " " ♀ ? "

4884 " " " ♀ ? "

4885 " " " ♀ ? "

Lake Worden R. I., Dec. 22, 1900.

4888. *Peromyscus leucopus noveboracensis* ♂ ad.

Tail gone. Preserved in formalin.

4889. *Peromyscus leucopus noveboracensis* ♂ ad.

180; 85; 90; 22; 29; 11.5; 15.5. In formalin.

4890. *Urocyon cinereoargenteus*. Skull

of a specimen mounted by Mr. J. William Critchley, of 354 Westminster St., Providence R. I. (Mr. C. substituted another skull and gave me this one). Killed at Clyde, R. I., Nov. 7, 1900. Towards Phoenix and River mouth, Mr. Critchley mounts 2 or 3 Gray Foxes from R. I. each season.

Lake Worden, R. I., Dec. 23, 1900.

4891. *Lepus floridanus transitionalis* ♀ immat.

390; 50; 80; 90; 74; 54; 49. Sk. + skull.

Fort Adams, Newport, R. I., Jan. 3, 1901.

4898. *Mus decumanus*. ♂ ad. 460; 220; 224;

4904. 46; 57; 16; 22. Trapped in my quarters.

Preserved in formalin. Metal tag no. 4872.

Specimens of Mammals
Collected in the Lake Warden region,
Rhode Island, November 21 to December 24, 1900.

| | |
|--------------------------------------|-------|
| 1. Red Squirrel | 12 |
| 2. Gray Squirrel | 3 |
| 3. House Mouse | 8 |
| 4. House Rat | 1 |
| 5. Buck Mouse* | 1 0 2 |
| 6. Red-backed Mouse | 2 4 |
| 7. Meadow-mouse | 3 4 |
| 8. Muskrat | 4 |
| 9. Cottontail | 2 0 |
| 10. Varying Hare | 1 2 |
| 11. Gray Fox (skull) | 1 |
| 12. Skunk (one skeleton and 2 skins) | 3 |
| 13. Mink (8 skeletons & 3 skins) | 1 1 |
| 14. New-York Weasel | 3 |
| 15. Masked Shrew | 1 9 |
| 16. Short-tailed Shrew | 1 8 |

*One Buck Mouse was sent me from Cape Pachet, R. I.

16 Species. Total 275 specimens

The following were sent to J. William Critchley's, for the museums at Newport & Providence.

Lepus americanus virginianus. nos. 4619 (skin) 4751, mtd.

" *floridanus transitionalis*. nos. 1725?

Putorius novboracensis. No. 4638, ♂ ad. Mounted.

Putorius v. luteocephalus. No. 4786 ♂ ad. "

Evotomys gapperi. nos. 4639, 4640, 4756, ♂ ad., " ^{Mounted} ^{Skin}

Sorex personatus. Nos. 4659, 4660 "

Sciurus hudsonicus loguax ad., No. ? "

January 1, 1901. Conanicut Island
Narragansett Bay, Rhode Island.

✓ 4892. *Fiber zibethicus*. ♂ im. Skin and skull.
565; 272; 279; 18; 84; head, 80 (skull broken);
ear cr., 15; ear notch, 22.

✓ 4893. *Fiber zibethicus*. ♀ im. Skin and skull.
510; 220; 227; tail width, 16; hind foot, 77; head 71;
15; 21 mm.

✓ 4894. *Fiber zibethicus*. ♂ im. Skin and skull.
562; 275; 282; tail width, 19; h. ft., 81;
head, 75; ear cr., 18; notch, 23.

✓ 4895. *Fiber zibethicus*. ♀ im. In formalin
565; 257; 264; tail width, 17; 80; 79 (skull broken);
ear crown, 17; ear from notch, 22: Metal tag No. 4873

4896. *Fiber zibethicus*. ♂ im. In formalin
542; 258; 263; tail width, 19; h. ft., 80; 77 (skull broken)
15; 21 mm. Metal tag, No. 4575.

4897. *Fiber zibethicus* ♀ ad. In formalin.
~~580; 250; 282; tail 220~~ Metal tag No. 4874
580; 250; 260; tail width, 18; hind foot, 79;
head; 80; ear above crown, 16; above notch, 23.
Perhaps this is the mother of the above five?

4898. *Procyon lotor*. ♀ ad. West Greenwich, R. I.,
December, 1900. Skull only.

4899. *Procyon lotor*. ♀ ad. do do

4900. *Putorius (Lutreola) vison luteocephalus*. ad.
Manton, R. I., December, 1900. Skull only.

4901. *Putorius (Lutreola) vison luteocephalus*. do do

4902. " " " " "

4903. *Mephitis mephitis*. Manton, R. I. " "
December, 1900. No 4904 on p. 215

218 Fort Adams, Newport, Rhode Island

July 19, 1901.

Phocaena phocaena. - A Harbor Porpoise came ashore at Brentons Point, about July 5th, 1901, when seen was decomposing; will try to get skull later.

Tursiops tursio. - Two skulls in the collection of the Newport Natural History Society, came ashore at Eastons Beach several years ago.

July 23, 1901.

A Large Brown Bat (*Vesperugo furvus*) seen at my house. The first Bat seen this summer.

(4905 to 5239 are Mammals collected in Florida, January ~~1900~~ to May, 1901. Entered in Field Register No. , pages 100 to 130.)

5240. *Phocaena phocaena* - ad. Stranded at Brentons Point, Newport, R.I., July 5, 1901. Skull preserved.

August 21, 1901.

Bats. - One seen this evening. One or two appear each evening. I think them Red Bats.

September 13, 1901.

A Harbor Porpoise (*Phocaena phocaena*) washed ashore at Brentons Point a day or two ago. It is entire and measures $3\frac{1}{2}$ feet in length. Hope to get skeleton later

Fort Adams, Newport, R.I. Nov. 25, 1901. 219

5241. *Blarina brevicauda* ♀ ad. In formalin.
122; 27; 33; h. ft., 16; head, 30;

5242. *Microtus pennsylvanicus*. ♀. In formalin.
166; 48; 54; h. ft., 22; head, 33.

5243. *Mus musculus* ♂ ad. Old. In formalin.
188; 92; 95; h. f. 18.8; head, 28; ear, crown, 11.

5244. *Mus musculus* ♂ immature. In formalin.
163; 78; h. ft., 18.

Third Beach, Middletown, Island of Rhode Island.
December 28, 1901.

5245. One vertebra of some species of Dolphin.

Fort Adams, Newport, R.I. Jan. 9, 1902.
To-day a fisherman found a Harbor Seal caught in his net set in Brentons Cove.

Fort Adams, Newport, R.I. - Febr. 24, 1902.

5246. *Phoca vitulina* ♂ ad. Taken in a net in Brentons Cove. From end of nose to end of caudal vertebrae, 1250 mm.; tail vertebrae, 140; tail to end of hairs, 150; tail width, 50; from end of nose to angle of mouth, 86; to eye, 84; to ear, 136; to occiput, 220; girth of body, 925; pes, length, 205 (from ankle-joint, measured on outside); expanse of pes, 320; claws (from above downward with flukes in their natural (vertical) position; 16; 20; 23; 22.5; 25; length of manus (from carpal

carpal joint), 175; Claws (from within outward): 25; 30; 32; 33; 29 mm.

Mr. Charles Ash (the owner) informed me that its weight was 160 lbs.

Color (scal-brown?) slightly marked with grayish mottling (obscurely mottled).

5247. *Felis domesticus*. Skull from beach at Newport, Rhode Island, Febr. 24, 1902.

5248. *Canis familiaris* do.

Mammals collected while stationed at Fort Yellowstone, Yellowstone National Park, Wyoming. April 18 to December 16, 1902.

5249. *Spermophilus* ^{immature} ♀ ad.

Taken from an Red-tail Hawk at 4-mile post, on Swan Lake Flat, Y. N. P., Wyoming.

Skin preserved in formalin. 330. 83. hind foot, 46; tail to end of hairs, 113 mm. June 11, 1902.

5250. *Spermophilus* ♀ ad.

Found, dead and partially eaten, in front of post guardhouse, Ft. Yellowstone, Wyoming, Oct. 14, 1902. Had been dead some time. Length, 300; tail vertebrae, 80; tail to end of hairs, 117; head, 52; hind foot, 43.5; ear from crown, 10, from notch, 17 mm. Skin & Skull.

5251. *Antilocapra americana* (Ord). juv.
Head of Black-tail Deer Creek, Y. N. P., Wyoming. Skin & Skull.

5252. *Antilocapra americana* (Ord). juv.
Head of Black-tail Deer Creek, Y. N. P., Wyoming. Skin & Skull.

♀ juv.

5253. *Antilocapra americana*

July 23, 1902. White markings apparent on throat.

Head of Black-tail Deer Creek, Y. N. P., Wyoming.

Skin & Skull.

5254. *Antilocapra americana*

♀ juv.

July 24, 1902. Hair on forehead slipped off.

Head of Black-tail Deer Creek, Y. N. P., Wyoming.

Skin & Skull.

5255. *Odocoileus americanus macrourus* (Rafinesque).

♂ ad. One shed horn (broken), found at Mammoth Hot Springs, Yellowstone National Park, Wyoming, May 1, 1902.

5256. *Odocoileus hemionus*. ♂ ad. Skull after horns were shed. Given me by Ascut Wagner.

Mammoth Hot Springs, Y. N. P., Wyoming.

5257. *Odocoileus hemionus* (Rafinesque). ♂ ad.

5258. " " " ♂ ad.

5259. " " " " "

5260. " " " " "

5261. " " " " "

5262. " " " " "

5263. " " " " "

5264. " " " " "

5265. " " " " "

5266. " " " " "

5267. " " " " "

5268. " " " " "

Shed horn, found on Fort Yellowstone Post ditch, near Mammoth Hot Springs, Wyoming, October 16, 1902.

5269. *Odocoileus hemionus* (Rafinesque). ♂ ad. Shed horn found, October 28, 1902, in the foothills of Electric Peak, near Cinnabar, Montana.

All shed horns found at Mammoth Hot Springs, Yellowstone National Park, Wyoming, during the Spring of 1902.

~~5268.~~ *Cervus canadensis* (Erxleben).
Mammoth Hot Springs, Y. N. Park, Wyoming.

5304. Spring of 1902. Skull (broken).

~~5269.~~ *Cervus canadensis* (Erxleben). ♂ ad.
Skull (imperfect) with Horns. Found at
Mammoth Hot Springs, spring of 1902.

5270. *Cervus canadensis* (Erxleben). ♀.
Skull. Mammoth Hot Springs. Found in
April, 1902 (taken Oct. 17, 1902).

5271. *Cervus canadensis* (Erxleben). ♂ ad.
Pair of diseased horns, found on Black-tail
Deer Creek, by Lieutenant Roseoe in 1901.

5272 to 5281. *Cervus canadensis* (Erxleben) ♂ ad. & ♂.
Ten single shed horns from the vicinity
of Mammoth Hot Springs, Yellowstone
National Park, Wyoming. Found during
the spring of 1902.

5282. *Bison bison* (Linnaeus).
Skull found at Mammoth Hot Springs,
Yellowstone National Park, Wyoming, in 1902.

5283. *Bison bison* (Linnaeus). Skull do

5284. " " " " do

5285. " " " " horn core do

5286. " " " " horn do

5287. *Ovis canadensis* Shaw. Part of skull. do ♂ ad.
Found in August 1902. Canyon River, Y. N. P., Montana.

5288. " " " " Skull do ♀?
Summer of 1902. Swan Lake Flat.

5289. " " " " Skull do ♀
Burns Peak, Oct. 5, 1902.

5290. *Cervus canadensis* (Erxleben). juv.
Head of Black-tail Deer Creek, Y. Nat. Park, Wyoming.

5291. *Cervus canadensis* (Erxleben).

Hayden Valley, Y. N. P., Wyoming.

5292. *Cervus canadensis* (Erxleben).

Hayden Valley, Y. N. P., Wyoming.

5293. *Canis familiaris* L. ? Skull found at
Mammoth Hot Springs, Wyoming. Spring, 1902.

5294. *Canis lutes*. Skull
of a Coyote. Mammoth Hot Spring, Yellowstone
National Park, Wyoming. Spring of 1902.

5302. *Canis lutes* do. Skull.

5295. " " do "

5296. " " do "

5297. *Vulpes* Skull.
Killed at Mammoth Hot Springs, Yellowstone
National Park, Wyoming during winter of
1901-'02.

5298. *Vulpes* do. Pair of mandibles.

5299. *Homo sapiens americanus* Linnaeus.
Found near Soda Butte, Y. N. P., Wyoming.
by Mr. L. R. Clark.

5300. *Canis lutes* ad.
Coyote skull, weathered, without mandibles.
Mammoth Hot Springs, Y. N. Park, Wyoming. 1902.

5301. *Putorius*.
A small white Weasel. Part of skin and skull.
Found near Mammoth Hot Springs, Y. N. P., Wyoming.
Had probably been killed by some raptorial
bird.

224

5418

~~5305~~. *Cervus canadensis*. ♂ ad. Found on the
Gardiner River, Yellowstone National Park, Montana,
August 2, 1902. The animal had died while the
horns were in velvet, and ^{the horns} had been discarded on
account of the bad odor, and left at the roadside.

Mollusks.

251

Fort Adams, Newport, Rhode Island.

1. Venus (Mercenaria) mercenaria Linnaeus

The Common Clam is abundant on Narragansett Bay, though very few shells are seen on the Ocean beaches.

2. Mercenaria notata Say. - Uncommon on the beach on east side of Fort Adams reservation.

3. Heimimactra solitissima Chem. - The big Sea Clam seldom comes into the Bay around Fort Adams, but is common on the ocean beaches.

4. Mya arenaria Linnaeus. Soft Clam. - Abundant in Narragansett Bay.

5. Maetra lateralis Say. - This small clam is found on all the beaches, but most commonly on the ocean edge.

6. Arca pexata Say. This roundish, deeply fluted bivalve is ^{often} commonly found dead on the ocean beaches.

7. Mytilus edulis Linnaeus. - The common smooth mussel is abundant everywhere on rocks. 112 x 54 x 48 mm

8. Modiola plicatula Lamk. The fluted mussel is burrows in bogs off the shores of the bay and ocean.

9. Solen (Ensis) americanus Gould. - The small razor clam is abundant on the ocean beaches. The razor clam of the muddy banks of Narragansett Bay are larger.

10. *Neverita duplicata* Say. - This beautiful univalve is very abundant on the ocean beaches, rarer in Narragansett Bay, associated with the following.
11. *Lunatia heros* Say. - Very abundant on the ocean beaches, rarer in the Bay.
12. *Pyrrula (Hulgar) canaliculata* Linnaeus. This large Periwinkle is fairly common on the bay and ocean. Egg Cases are numerous on the shores.
13. *Pyrrula (Hulgar) carica* Gmelin. - Not quite so numerous as the preceding.
14. *Pecten*
Abundant except on rocky shores.

Specimens sent to U. S. Nat. Mus.
May 10, 1899.

Good series of the Oyster, *Mytilus edulis*, *Modiola plicatula*, *Lunatia heros*, *Neverita duplicata*, *Pecten*, etc., numbering about 60 species were sent to the U. S. Nat. Mus. May 19, 1899.

15. *Ymaea conradi* Couthouy. - One valve, Easton's Beach, Newport, R. I., May 23, 1899.

4477. *Limax* _____ . - Several slugs taken on metal mammal traps set in a sphagnum swamp on Conanicut Island, December 3, 1899. Preserved in formalin in a small phial.

In Proceedings Newport Nat. Hist. Soc., 253 Document no. 3, May 9, 1885, in an article on some bivalves of Newport, the "*Pecten pleuronectes* or flounder scallop" is described as having one valve strongly colored and the other plain white. "*Pecten latiauratus* or dancing scallop" is said to be our common edible species. "*Solen ensis* or razor case." "*A Unio* from Easton's Pond."

"Dr. Dall is not especially desirous of acquiring the larger shells from the littoral zone at Newport, although he would be glad to obtain specimens of any of the following: *Rissoa*, *Odostomia*, *Perithiopsis*, *Pittium*, *Assimineia* and the like." (Jan. 26, 1900.) H. W. Fane."

Obtained numerous specimens each of three species of *Helicidae* at Hanging Rock, Newport, Rhode Island, April 4, 1900.

H. W. Porch, Sergeant Battery "A", 7th Artillery, U. S. Army, writing from Fort Greble, Dutch Island, R. I., May 24, 1900, says: "Please find enclosed herewith an unpolished shell from Ft. Greble shore. Three of them washed ashore day before yesterday at the Light-House, and after Captain King took the meat from them he gave me one." A good specimen of *Sycotypus canaliculatus* without genital.

Mollusks sent to the American
Museum of Natural History.

- No. 7499. *Fulgur carica* Gmelin. Second Beach,
Newport, Rhode Island. April 24, 1899. Egg case.
- No. 7500. *Fulgur carica* Gmelin. Second Beach,
Newport, Rhode Island. April 24, 1899.
7501. Ditto. Easton's Beach, Newport, R. I. April 24, 1899.
7502. " do do
7503. " Third Beach, Newport, R. I. April 21, 1899.
7504. " do do
7505. " Easton's Beach, Newport, R. I. Nov. 21, 1899.
7506. (The operculum is wanting in each of above specimens.) March 11, 1900.
Sycotypus canaliculatus Linne.
7507. Easton's Beach, Newport, R. I. May 25, 1899. Egg case.
3508. Brenton's Cove, Narragansett Bay, near Newport, R. I. Febr. 25, 1899.
3509. Second Beach, Newport, R. I., April 24, 1899. No operculum.
- 3510 do do With operculum.
- 3511 do do No operculum.
3512. Third Beach, Newport, R. I. Dec. 16, 1899. No operculum.
3512. Fort Adams, R. I. Dec. 25, 1899. With operculum.
3514. do do No operculum.

Neverita duplicata Say.

3515. Easton's Beach, Newport, R. I., March 13, 1900. ^{63 x 37 mm.} With operculum.
3516. do April 4, 1900. " "
3517. do Febr. 27, 1899. " "
3518. do April 4, 1899. " "
3519. do do " "
3520. do May 15, 1899. " "
3521. do do Without "

Lunatia heros Say.

No.

3522. Easton's Beach, Newport, R. I. March 13, 1899. With operculum.
3523. do April 21, 1899. " "
3524. do do " "
3526. do April 24, 1899. " "
3527. do do " "
3528. do do Without "
3529. Second Beach, Newport, R. I. 102 x 86 mm. do " "
- { Biggest Uno from Chepashet,
R. I., measured 125 x 65 x 38 mm.
Sept. 7, 1900

Fort Snelling Minn.

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Specimens preserved in formalin: —

5056 and 5057. Rana

April 8, 1903. Shot on bank of Minnesota River.

5058 and 5059. Striped Snakes do

5060. Striped Snake. April 10, 1903. Trapped. do

5076. Lemax Apr. 11, 1903. "

— . Amblystoma tigrina. " "

5445 Rana Apr. 17, 1903 "

Sergeant H. W. Preeh, Battery "A" 7th Artillery,
writing from Fort Greble, Dutch Island, Narragan-
=sett Bay, R. I., May 24th, 1890 says:—

"As I was strolling about the Island this
noon, I captured these two bugs (Coleoptera). They
were lying on their backs and with their legs
and feet were moving a dead snake which
was about 15 inches in length. I watched
them move it about two feet. I moved the
snake from them, and they both stopped
moving and lay as if they were dead (play-
=ing possum)."

Newport Natural History Society.

THE NATIVE MAMMALS OF RHODE ISLAND.

One of the objects of the Newport Natural History Society is the collection and preservation of specimens and facts relating to the native products of the State of Rhode Island. The undersigned has been requested to prepare a circular of inquiry respecting the mammals of this State, for the purpose of eliciting as much information as possible concerning them, with a view to preparing an authoritative list of the mammals which have inhabited Rhode Island during the period of its occupation by the Whites, and of any fossil species whose remains have been found within the State.

Some of the largest animals have already disappeared from Rhode Island, and others are on the verge of extinction. It is extremely unfortunate that any of our native mammals should have been allowed to pass away without so much as a record of their characters and peculiarities having been preserved. To provide against such a calamity in the future, the Newport Natural History Society proposes to preserve specimens and records of all that remain. To this end, an historic collection of State Mammals is being formed. The Society is especially desirous of obtaining without delay all of the species of mammals that are in imminent danger of extinction.

Living or mounted specimens, skins, bones (especially skulls), teeth, horns, nests, and all materials relating to Rhode Island mammalogy, will be welcome additions to the Society's museum, and will be gratefully received, acknowledged, and registered. They should be marked "specimens for the Newport Natural History Society," and sent to the address given below. The writer will be pleased to identify and return any specimens sent to him for determination.

Of fossil mammals and those which have been extirpated within the historic period, any remains, however imperfect or fragmentary, such as bones, teeth, horns, etc., should be sent to the Society's museum for preservation, as they are exceedingly precious. A jaw or horn of an Elk or Moose, dug from the soil of Rhode Island, would be much more valuable than a perfectly mounted specimen of the same animal from some other region.

The species of recent mammals which have been positively ascertained to belong to the fauna of Rhode Island are below enumerated, in list *A*; those whose presence or occurrence is supposed to be probable, on the ground of their having been found in the adjacent States or waters, are given in list *B*.

Respecting each of the animals given in lists *A* and *B*, information is requested as follows:—

a. Does it live in your locality at present? If so, is it common or rare?

b. If formerly present, but now extinct, give particulars concerning its extirpation, and the dates when the last individuals were seen or killed.

c. How many young are produced, and at what season?

d. Describe its nest, burrow, or habitation.

e. Give the times—exact dates when possible—of appearance and disappearance of such species as are migratory (e. g. the Red Bat), and of such as hibernate (Woodchuck, Jumping-mouse, etc.)

f. In what manner is it injurious or beneficial to man, in your district? (In the cases of noxious species, state the number destroyed during current and preceding years, and give the amounts paid out in bounties offered for their destruction; also give statistics or estimated numbers of food species annually sent to market, and of pelts of fur-bearing animals taken, together with any other facts relative to their economic uses.)

g. Give as many facts as you can, concerning the habits, actions, voice, traits, and general characteristics of each. If attempts have been made to breed any species in confinement, for economic uses, state with what result.

h. Add any information in your possession, supposed to be of interest in connection with Rhode Island mammals.

i. Name any species of mammals which have been found in Rhode Island, not given in list A, giving as full particulars as possible respecting each.

j. Give the names and addresses of persons who are especially interested in hunting or trapping mammals, and especially of those who deal in skins, or have formed collections of specimens.

k. Give full particulars concerning the discovery, at any time, of bones, teeth, horn or other remains of mammals in this State, and if possible describe their present location and condition.

A. LIST OF THE WILD MAMMALS KNOWN TO HAVE INHABITED THE STATE OF RHODE ISLAND DURING THE HISTORIC PERIOD.*

1. OPOSSUM. *Didelphis virginiana* Kerr.
2. COMMON BOTTLE-NOSE PORPOISE. *Tursiops tursio* (Fabricius).
3. COMMON DOLPHIN. *Delphinus delphis* Linnæus.
4. HARBOR PORPOISE; PUFFING PIG; SNUFFER. *Phocaena phocaena* (Linnæus).
5. BLACKFISH; PILOT WHALE. *Globicephalus melas* (Traill).
6. WHITE WHALE; BELUGA. *Delphinapterus leucas* (Pallas).
7. BOTTLE-NOSE WHALE. *Hyperoodon rostratus* (Chemnitz).
8. SPERM WHALE. *Physeter macrocephalus* Linnæus.
9. RIGHT WHALE. *Balæna cisarctica* Cope.
10. FIN-BACK WHALE. *Sibbaldius tectirostris* Cope.
11. VIRGINIAN DEER. *Odocoileus virginianus* (Boddaert).
12. MOOSE. *Alce americanus* Jardine.

*All are native except the House Rat and House Mouse. Several naturalized races of Man (*Homo sapiens* Linnæus) are omitted, among them the subspecies *europæus*, *asiaticus*, and *afæ*, all of Linnæus; but the native Red Man is included.

13. SOUTHEASTERN RED SQUIRREL. *Sciurus hudsonicus loquax* Bangs.
14. NORTHERN GRAY SQUIRREL. *Sciurus carolinensis leucotis* (Gapper).
15. NORTHEASTERN CHIPMUNK. *Tamias striatus lysteri* (Richardson).
16. WOODCHUCK; GROUNDHOG. *Arctomys monax* (Linnæus).
17. SOUTHERN FLYING SQUIRREL. *Sciuropterus volans* (Linnæus).
18. AMERICAN BEAVER. *Castor canadensis* Kuhl.
19. HOUSE MOUSE. *Mus musculus* Linnæus.
20. HOUSE RAT; WHARF RAT. *Mus decumanus* Pallas. *Mus norvegicus* Erxleben.
21. NORTHEASTERN DEER MOUSE; BUCK MOUSE. *Peromyscus leucopus noveboracensis* (Fischer).
22. COMMON RED-BACK MOUSE. *Erotomys gapperi* (Vigors).
23. COMMON MEADOW-MOUSE. *Microtus pennsylvanicus* (Ord).
24. NORTHERN PINE MOUSE. *Microtus pinetorum scalopsoides* (Audubon and Bachman).
25. MUSKRAT. *Fiber zibethicus* (Linnæus).
26. MEADOW JUMPING-MOUSE. *Zapus hudsonius* (Zimmermann).
27. NORTHEASTERN COTTONTAIL. *Lepus floridanus transitionalis* (Bangs).
28. SOUTHERN VARYING HARE. *Lepus americanus virginianus* (Harlan).
29. NORTHEASTERN PANTHER. *Felis oregonensis hipolestes* (Merriam).
30. WILDCAT. *Lynx ruffus* (Gueldenstaedt).
31. RED FOX. *Vulpes fulvus* Desmarest.
32. TIMBER WOLF. *Canis occidentalis* (Richardson).
33. BLACK BEAR. *Ursus americanus* Pallas.
34. RACCOON. *Procyon lotor* (Linnæus).
35. NORTHEASTERN OTTER. *Lutra canadensis* (Schreber).
36. SKUNK. *Mephitis mephitis* (Shaw). *Chimcha putida* (Boitard). *Chimcha putida* (Boitard).
37. SOUTHEASTERN MINK. *Putorius (Lutreola) vison lutrecephalus* (Harlan).
38. BONAPARTE WEASEL. *Putorius cicognanii* (Bonaparte).
39. NEW YORK WEASEL. *Putorius noveboracensis* Emmons.
40. FISHER. *Mustela pennanti* Erxleben.
41. GREENLAND SEAL; HARP SEAL. *Phoca granlandica* Fabricius.
42. HARBOR SEAL. *Phoca vitulina* Linnæus.
43. MASKED SHREW. *Sorex personatus* I. Geoffroy St Hilaire.
44. SHORT-TAIL SHREW. *Blarina brevicauda* (Say).
45. STAR-NOSE MOLE. *Condylura cristata* (Linnæus).
46. SILVERY BAT. *Lasionycteris noctivagans* (Le Conte).
47. LARGER BROWN BAT. *Vespertilio fuscus* Beauvois.
48. HOARY BAT. *Lasiurus cinereus* (Beauvois).
49. RED BAT. *Lasiurus borealis* (Müller).*
50. RED MAN; AMERICAN INDIAN. *Homo sapiens americanus* Linnæus.

NOTE.—The mammals inhabiting the islands off the coast of Rhode Island, including those of Narragansett Bay, are of special interest, and lists of the species belonging to each island are much desired. A distinct species of Meadow-mouse (*Microtus mesophilus* Bailey) is restricted to two small islands in Long Island Sound, New York; and Mr. Outram Bangs, who has collected the mammals of Block Island, R. I., and compared them with the mainland forms which they represent, is of the opinion that some will require separation. Critical comparisons of all our insular mammals with those of the mainland will perhaps result in other additions to the present list than those which are expected to result from Mr. Bangs's studies of the Block Island species.

*A 'Light Brown or Wood Bat,' familiar to Mr. Frank Blake Webster, at Lonsdale and Dagget's, Rhode Island, from 1867 to 1884, was probably a species of *Myotis* or *Pipistrellus*.

✓ This should stand as *Epimys norvegicus* (Erxleben).
 ✓ This should stand as *Mephitis putida* Boitard.

B. LIST OF THOSE SPECIES OF RECENT MAMMALS WHOSE OCCURRENCE IN RHODE ISLAND MAY BE LOOKED FOR WITH SOME DEGREE OF PROBABILITY.*

1. STRIPED DOLPHIN. *Lagenorhynchus acutus* Gray.
2. KILLER. *Orca orca* (Linnaeus).
3. GRAY GRAMPUS; COW FISH. *Grampus griseus* (Cuvier).
4. NORTHEASTERN FOX SQUIRREL. *Sciurus ludovicianus vicinus* Bangs.
5. SOUTHEASTERN CHIPMUNK. *Tamias striatus striatus* (Linnaeus).
6. CANADIAN FLYING SQUIRREL. *Sciuropterus sabrinus macrotis* Mearns.
- * 7. BLACK RAT. *Mus rattus* Linnaeus.
8. CANADIAN DEER MOUSE. *Peromyscus canadensis* (Miller).
9. CAVE RAT. *Neotoma pennsylvanica* Stone.
10. NEW JERSEY RED-BACK MOUSE. *Eutamias gapperi rhoadsi* Stone.
11. ROCK VOLE. *Microtus chrotorrhinus* (Miller).
12. BOG LEMMING. *Synaptomys cooperi* Baird.
13. WOODLAND JUMPING-MOUSE. *Napaeozapus insignis* Miller.
- * 14. CANADIAN PORCUPINE. *Erethizon dorsatus* (Linnaeus).
15. SOUTHEASTERN COTTONTAIL. *Lepus floridanus mallurus* (Thomas).
16. CANADIAN LYNX. *Lynx canadensis* (Kerr).
- * 17. GRAY FOX. *Urocyon cinereoargenteus* (Schreber).
18. WOLVERINE. *Gulo luscus* (Linnaeus).
19. NORTHEASTERN MINK; LITTLE BROOK MINK. *Putorius (Lutreola) vison vison* (Schreber).
20. MARTEN. *Mustela americana* Turton.
- * 21. HOODED SEAL. *Cystophora cristata* (Erxleben).
22. * WATER SHREW. *Sorex (Neosorex) albibarbis* (Cope).
- * 23. SMOKY SHREW. *Sorex fumeus* Miller.
24. BIG-TAIL SHREW. *Sorex macrurus* Batchelder.
25. HOY SHREW. *Sorex hoyi* Baird.
26. SMALLER SHORT-TAIL SHREW. *Blarina parva* (Say).
27. NAKED-TAIL MOLE. *Scalops aquaticus* (Linnaeus).
28. HAIRY-TAIL MOLE; BREWER MOLE. *Parascalops breweri* (Bachman).
29. LITTLE BROWN BAT. *Myotis lucifugus* (Le Conte).
30. SAY BAT. *Myotis subulatus* (Say).
- * 31. GEORGIAN BAT. *Pipistrellus subflavus subflavus* (F. Cuvier).
32. DUSKY BAT. *Pipistrellus subflavus obscurus* Miller.

NOTE.—Among fossil mammals, species of the Walrus, Peccary, Horse, Elephant, Mastodon, and the Beaver-like *Castoroides*, are to be looked for

*These have been found in neighboring States or waters. Some are now extinct, but records or remains of them may exist.

? * *Cervus canadensis* [E. K. ?] EDGAR A. MEARN'S.

Prepared and signed at the request of the Newport Natural History Society by Doctor EDGAR A. MEARN'S, U. S. A., to whom replies may be addressed, at Fort Adams, Newport, R. I.

Published by order of the Council,

AMORY AUSTIN, Secretary.

A. O'D. TAYLOR, President.

* Since added to the fauna of R. I.

11.5

23.5

684 $\frac{1}{2}$

No. Scirpus carolinensis ♂ im.
Lexington, Ky. Dec. 21, 1898.

♂ 18 in. ; cul. 8 $\frac{3}{4}$; mid-foot, 2 $\frac{1}{2}$.
Hatched 11.3.7 near me

O. W. Zuehl
Hofford Junction, Tex.

Mr. William Barton
Providence R. I.

(see 20-90 Westminster St.)

1. Alpestris
Hibbiniq

R

For

Station

2. hoysi
madison

3 praticola
everywhere

In Minnesota praticola
is the only breeding form of
Otocoris.

Alpestris breeds N.E. of Minn.

Hoysi " directly N. of "

Arcticola " in Alaska

Euthymia " N.W. a short distance

Leucolasmia " so far west &
so little north of Minnesota
that there are no records
for the State.

February 27, 1903. Ft. Snelling, Minn.

Warm weather and rains have recently melted so much of the snow and ice that about half of the ground is bare.

During the past few days Horned Larks have been abundant.

To-day the first Lapland Longspurs were heard.

A number of Crows first arrived to-day.

Blarina brevicauda from Rhode Island.

4440 ♀ ad. p. 57. Skin?
4441. - ad. Nov. 19, 1899. Ft. Adams. Formalin.
4445. ♀ ad. p. 57 do Skin?
4446 ♀ im p. " do "
4447 ♀ ad. " " do "
4448 ♀ im. " " do "
4449 ♂ ad. " " do "
4452 ♀ " 58. Skin?
4453 ♀ " " "
4454 ♂ im " " "
4455 ♂ " " "
4458 ♀ ad. " " "
4459 ♀ im. " " "
4461 ♀ " " "
4463 ♂ ad. " 59. "
4464 ♂ ad. " " " Am. Mus. N.H.
4468 ♀ ad. " 60 "
4469 ♀ " " "
4470 ♀ " " "
4471 ♀ " " "
4475 ♀ ad. " 61 "
4476 ♂ ad. " " "
4501 - ad. " 72 Formalin.
4509 ♀ ad. " 73 Skin?
4510 ♀ ad. " " "

Vol.

4536, ad. p. 76. Fragmentary skulls.
4543 ♂ ad. " 78. Formalin.
4546 ♀ ad. " 79. "
4562 ♂ ad. " 81. "
4567 ♂ ad. " 82. Skin?
4597 ♀ ad. " 84. "
4600 ♀ ad. " " Formalin.
4601. ♀ ad. " 85 Skin?
4617. ♀ ad. " 86 "
4618. ♀ ad. " 86 Formalin.
4622. ♂ ad. " " Skin?
4658. ♀ ad. " 88. "
4664. ♀ ad. " 89. "
4676. ♀ ad. " 90. "
4693. ♀ " 91. "

4706. ♀ p. 92. Skin?
4715 ♂ ad p. " "
4739 ♂ ad. " 94 "
4788 ♀ ad. " 98 Skull only.
4789 ♀ ad. " " Skin?
4790 ♀ ad. " " "
4809 ♀ ad. " 99 "
4822 ♂ ad. " 210 Formalin.
4832 ♀ ad. " 211 Skin? Formalin.
4833. ♀ ad. " " " Formalin.
4840 ♂ ad. " " Skin?
4861 ♀ ad. " 218 "
4862 ♂ ad. " " "
5241 ♀ ad. " 219 Formalin.

Louis di Zerega Mearns also
collected many specimens of
Blarina in Rhode Island.

Microtus pennsylvanicus from R. I.

| | |
|---|-------------------------------|
| 4431. ^{p. 55} Skull only. | 4561. ♀ juv. p. 81. Formalin. |
| 4437. ♀ juv. 57 Skin? | 4563 — " " Mtd. N.H.S. |
| 4438 ♀ ad. " " | 4623. ♀ juv. " 86 Skin? |
| 4439 ♀ ad. " " | 4632 ♀ ad. " 87 " |
| 4442 — juv. 57 Formalin | 4633 ♀ juv. " " " |
| 4450 ♀ juv. 58 Skin? | 4634 ♀ juv. " " " |
| 4451 ♂ p. 58 " | 4662 ♀ ad. " 89 " |
| 4457 ♀ ad. " Am. Mus. | 4666 ♀ juv. " " " |
| 4460 ♂ ad. " Skin? | 4677 ♀ ad. " 90 " |
| 4467 ♂ juv. p. 60 " | 4678. ♀ ad. " " " |
| 4473. ♂ ad. " " Am. Mus. | 4679. ♀ ad. " " " |
| 4474. ♂ " " | 4688 ♀ ad. " 91 " |
| 4480 ♀ juv. p. 62 " | 4689 ♀ ad. " " " |
| 4484. ♂ ad. p. 64 " | 4699 ♀ ad. " " " |
| ^{Vol. fragm. skulls} 4535. ad. p. 76 skulls. | 4700 ♀ ad. " " " |
| 4547. ♂ ad. " 79 Formalin | 4701 ♀ juv. " " " |
| 4548. ♀ juv. " " Skin? | 4702 ♀ " " " " |
| 4549. ♂ juv. " 89. Formalin | 4703 ♀ " 92 " |
| 4551. ♀ juv. " " " | 4708 ♂ " " " " |
| 4552. ♂ juv. " " " | 4709 ♀ " " " " |
| 4553. ♂ juv. " " " | 4718 ♂ " 93 " |
| 4554. ♂ juv. " " " | 4719 ♀ " " " " |
| 4557. ♀ juv. " 81 " | 4729 ♀ ad. " " " |
| 4560. ♂ juv. " " " | 4730 ♀ juv. " " " |
| | 4758 ♀ juv. " 96 " |
| | 4759 ♀ ad. " " " |
| | 4770 ♀ juv. " 97 " |
| | 4811 ♀ ad. " 100 " |
| | 4812 ♂ ad. " " " |
| | 4846 ♀ ad. " 212 " |
| | 4847 ♀ ad. " " " |
| | 4858 ♀ ad. " 213 Formalin |
| | 4864 ♂ ad. " " Skin? |
| | 4865. ♀ ad. " " " |
| | 4866 ♂ ad. " " Formalin |
| | 4867 ♂ juv. " " " |
| | 5242 ♀ " 219 " |
| | 5239 ♀ juv. " 81 Skull. |

The following are substituted members attached to specimens preserved in formalin: 3721 Microtus. — 49.

| | |
|-------|------------------|
| 3768 | ♂ ad. Good. |
| 3762 | ♂ ad. " " |
| 3773 | ad. partly eaten |
| 3798 | ♂ good. |
| 3725- | ♂ good |
| 3756 | Young. |

Sp. di. Ganga Muscus also.
collected many specimens
of *Microtus pennsylvanicus*
in Rhode Island. Presented
most of them to Mr. Brewster
Bangs.

May 5 to 24, 1900.

Fish Hawk. - Doctor Ramsay tells me that ^{about} 50 pairs of Fish Hawks breed on Plum Island, N.Y. in 1900. The nests are in trees by some ponds on the Island.

Sparrow Hawk. - One

Robins. - 1

Kingfishers - 2

Owls - 1

Lump Fish
Shad

Bellows Fish

Tataug

Bunkers

Weak Fish

3 Canada Geese (tame) left and came back with 2 others, which stayed a while & then left.

Young eaten by Snapping Turtles in fresh-water pond.

Mammals. - Buck Mice, Kangaroo

Jumping Mice. Rabbits (all drowned).

Mr. Degeu,

Quartermaster's Inspector

Fort Terry, N.Y.

Mr. Clark, Post Master

Doctor G. Douglass Ramsay

1. Dipsosaurus dorsalis (Baird & Girard)
Lurtovaquito (21728) to Coyote Wells (21950-21951).
2. Crotaphytus collaris (Say).
Mt. Verde; M.B.L.; Mountain Spring
3. Crotaphytus wislizenii Baird and Girard. M.B.L.; Yuma Desert, m. 200; Gardner's Laguna; New R.; Coyote W.; Gila Riv., Gila Co., Ariz. p. 259
4. Callisaurus draconoides ventralis
Hallowell. Yuma Desert, mon. 200; Seven Wells; Gardner's Laguna; Coyote Wells; Mount. Spr. Page 273.
5. Uma rufipunctata Cope.
Yuma Desert; Gardner's Laguna.

- ✓ 1. Libinia carolinulata Say.
Spider Crab.
2. Platycoriscus irroratus Say.
Spotted Crab; Sand Crab.
3. Cancerus maenas (Lin.).
(= Cancer ^{canaliculatus} Say.)
4. Platyonichus ocellatus (Herbst).
Lady Crab.
5. Glyptothorax diantha (Lin.).
This is Callinectes sapidus Rathbun.
6. Hippa talpoida Say.
Sand-bug.
7. Pagurus pollicaris Say.
Warty Hermit Crab.
8. Homarus americanus (Seta).
American Lobster.
9. Polydora occidentalis Lam.
Horse-foot; King Crab. This
is Limulus polyphemus Latr.

4430. Lepus cuniculus - ad. A broken, weathered skull, picked up near the beach, February 25, 1899. Newport, R. I.

4431. Microtus pennsylvanicus. Skull found at Ft. Adams, Newport, R. I., May 18, 1899.

4441. Blarina brevicauda. In formalin. Found drowned in a brick sewer into which it had fallen, Nov. 19, 1899. Newport, R. I. (Golf grounds near Ft. Adams).

4442. Microtus pennsylvanicus juv. Ditto.

4472. Mus norvegicus. Ad. Ft. Adams, R. I., Nov. 26, 1899. Skull only.

4501. Blarina brevicauda - ad. In formalin. Ft. Adams, R. I. Dec. 16, 1899.

4535. Microtus pennsylvanicus. Several fragmentary skulls picked up beside a marsh, April 21, 1900.

4536. Blarina brevicauda Ditto.

4537. Fiber zibethicus. Ditto. Hood of Bubo virg.

~~4539. Mus~~

5239. Microtus pennsylvanicus. 7 juv. Ft. Adams, R. I. July 15, 1900. ^{Skull only}

David Niles } Catharine Niles }
 James Kroukhite } Alexander Mearns }
 Alexander Mearns } Alexander Mearns }

Daniel Carswell* } Alexander Carswell }
 Elizabeth ~~Stifford~~ } Nancy R. Mearns }
 Suffolk }
 Shubael Terry* } Reconcile Terry }
 Reliance Hathaway }

Edgar }
 Alexander } and
 Mearns }
 Lillian }
 Carswell }
 Mearns }

* Great-grandfather Carswell had 8 children: Alexander,
 + Great-grandfather Terry had 6 children: Reliance,